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E.P.H. (1947) Department.

M.S. SERIES.

G.O. NO. 1829 Edn.
1829 Edn.

Dated 19-8-47
19.8.47

(80 Sheets)

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[Despatch Abstract.]

Technical Education – Standing Advisory Board Constituted.

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செப்பனிடுபவர் பெயர் ஸ்ரீசாந்தகுமாரி

செப்பனிடுவதற்காக எடுத்துக் கொள்ளப்பட்ட நாள் ஆகஸ்ட்/2000

செப்பனிட்டு முடித்த நாள் அக்டோபர்/2000

17/11/2000

சரிபார்க்கும் மு.பா.எ. கையொப்பம்	ஆராய்ச்சி உதவியாளர் கையொப்பம்

17-11-2000

SUMMARY OF RECOMMENDATIONS.

Made at the meeting of the
Expert Committee held on
12th June, 1946.

I. After considerable discussions on the possibility of getting ready the permanent building and equipment for the new Colleges in two years, the Committee recommended

That the proposal for opening the Vizagapatam and Anantapur Engineering Colleges at Cocanada and Guindy respectively as detailed in the Reports of the Organising Principal, be approved, subject to the following:-

i. The pointed attention of the Government is drawn to the fact that both the colleges are starting under make-shift conditions without permanent buildings or equipment and under the abnormal conditions following the War. It is apprehended, therefore, that any delay in getting ready the permanent buildings and equipment in two years' time, will involve serious dislocation of study to the first batches of students. It will be the special responsibility of the Government to take urgent and vigorous measures to ensure the completion of the permanent buildings and procurement of the equipment within 24 months, and as an essential step it is strongly recommended that the Organising Principal should be a full-time Officer stationed at Guindy and working in closest co-operation with the parent Engineering College so as to

(i) cover up all deficiencies of equipment, staff, books instruments, apparatus etc., in the new colleges,

(ii) keep a liason with the Public Works Department, Government Departments, and Expert Members to expedite execution of permanent buildings, compile list of equipment and specialised apparatus and arrange for their procurement and erection etc.,

(iii) co-ordinate the first two years' work in the new Engineering Colleges with the subsequent two years and

(iv) do everything that may be necessary to avoid dislocation at the time of transfer.

(2) ii. For the College temporarily located at Cocanada as there is no need to build up or install any permanent organisation or equipment in the temporary premises, it would be sufficient if the Professor to be appointed may be made the Professor-in-charge of the institution as during the first two years during which subjects covered are mainly Mathematics, Science and Drawing and there is no specialisation in Engineering.

iii. The first two years' batches of students admitted should confine to basic general courses of study in Civil, Mechanical or Electrical Engineering and the specialised courses should be introduced only after the special equipment and Laboratories for them are got ready.

(3) iv. For accelerating the procurement of workshop and laboratory equipment and for studying the organisation and working of the leading engineering institutions - particularly in specialised branches like Marine Engineering - the Organising Principal or a qualified Mechanical Engineering member of the staff, should be deputed to visit the United Kingdom and the U.S.A. with powers to select equipment and place orders for same.

II.......

II. With regard to the allocation of specialised courses of study and working out details for the permanent Colleges, the Members unanimously decided that:-

i. the working out details of the new Colleges involve linking up with the existing Colleges, co-ordination of the work in all them Colleges to avoid overlapping and dissipation of efforts and a knowledge as to what the Government are prepared to finance.

ii. The Government should be addressed to define more clearly the terms of reference of this Committee and widen its scope so as to include the wider aspects of co-ordinating the work of the Engineering Colleges in essential matters like allocation of specialised courses, research, administration, syllabuses, standards, duration of courses of study, staff, qualifications and salaries, contact with Departments and Industry. On receipt of Government orders, the Committee will meet and decide on the permanent organisation of the Colleges.

with the Presidency

III. The following are further recommendations and decisions:-

i. that the allocation of specialised branches of study on an all-Provincial basis should be as follows:-

a. that specialisation in Marine Engineering and Highway Engineering should be allotted to the Vizagapatam Engineering College, ~~that~~

b. that Mining Engineering should be allotted to Anantapur Engineering College subject to the need for this specialised branch being established for Post-war Developments and needs,

c. that Textile Engineering and Automobile Engineering should be allotted to the Coimbatore Engineering College,

d. that highway Engineering and Public Health Engineering courses of study be allotted to the Guindy Engineering College,

e. that the specialised course in Aero-Engineering be dropped in view of the very ambitious programme of Post.war Developments in this branch at the Indian Institute of Science, Bangalore.

ii. That the Andhra and Madras Universities should be addressed for their concurrence to the proposals of opening the new Colleges.

iii. That the adequacy of water-supply facilities at Anantapur be investigated.

iv. That a nominee of the Annamalai University be invited to be a member of this Committee to facilitate co-ordination of the Engineering College of that University with the other Engineering Colleges.

v. That the request of the Cuddapah District Board to locate the Engineering College at Cuddapah be not accepted as the object of location at Anantapur was to utilise the large workshop of the War Technicians Training Scheme at Anantapur as nucleus for the Engineering College

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Edn H (A)

Sub Summary of recommendations of the Expert Committee

Ref Govt. Memo. No. 31769 A/46-1 Edn dt 18-6-46

Memo. No. 31769 A/46-2 Edn dt 5-7-46.

The DPI is requested to state when ~~[illegible]~~ a reply to the Govt. memo. cited may be expected.

ES 4-7-46 Sd 6.7.46

BM 5/7/46

Repd To the D 6/8-7-46

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R.C.No.337 AK/45.

Office of the Director of Public Instruction, Madras, dated 9-7-46.

ASST. SECRETARY TO GOVERNMENT
12 JUL 1946
EDUCATION AND PUBLIC HEALTH DEPT.

From

Dr. S.R.U.Savoor, M.A., D.Sc., I.E.S.
Director of Public Instruction, Madras.

To

The Secretary to Government,
Education & Public Health Department, Madras.

37436

Sir,

Sub: Opening of new Engineering Colleges - Recommendations of the Experts Committee - Remarks - offered.

Ref: Memo. No.31769 A/46-1, Education, dated 18-6-46.

I have the honour to offer the following remarks on the recommendations of the Experts Committee:

I & II

ITEM 1: The Committee recommends that the organising Principal should be a full time Officer stationed at Guindy and working in closest co-operation with the parent Engineering College and that the professor to be appointed for the Cocanada College should be made the Professor-in-charge of the College for the first two years. But according to G.O.No.1163, Edn., dated 12-6-46 sanctioning the opening of new Engineering Colleges there will be a full time Principal for the Cocanada College. The arrangements proposed by the Committee is not contemplated either in my letter to Govt. R.C.337 AK/45, dated 30-5-46 or in the G.O. sanctioning the opening of the New Engineering Colleges. Further the arrangement similar to the one proposed by the Committee was not followed in the case of the Arthur Hope College, -Coimbatore. In the above circumstances the recommendations of the Committee need not be accepted.

IV

As regards the equipment for the new colleges the Principal, -Cocanada College and the Principal of the Engineering College, Guindy who will hold the additional charge of the Engineering College, Anantapur may respectively make necessary arrangements for procuring the equipment required for the Colleges.

Separate file

I may also state that in my letter dated 29-6-46 relating to the question of additional staff under Direction and Inspection that a Deputy Director of Technical Education may perhaps be appointed to co-ordinate the work of all the Engineering Colleges and also the work necessary for the bifurcated courses of study for the S.S.D.C. Courses.

ITEM 1 (iv): The Committee recommends that the Organising Principal or a qualified member of the staff should be deputed to visit the United Kingdom and the U.S.A. for studying the organization and the working of the leading Engineering Institutions and for accelerating the procurement of workshop and laboratory equipment. This question may be taken later if considered necessary when the colleges have worked for some time.

(V)

ITEM II (ii): The Committee wants that the Govt. should be addressed to define more clearly the terms of reference of this Committee and widen its scope etc. The matters to ~~xxx~~ be considered by the Committee are laid down in para.3 of the G.O. constituting the Experts Committee.

ITEM III (ii): The Madras University has agreed to the admission of 65 students for the Anantapur College, (50 in the Guindy College and 15 in the Coimbatore College) pending the grant of affiliation. As regards the Cocanada College the organising Principal has already been requested to apply to the Andhra University through me.

P.T.O.

ITEM III (iii): The Principal, Engineering College, Guindy who is in charge of the extra 50 students to be transferred to Anantapur ultimately has been asked to investigate this question in consultation with the P.W.D. and the Municipal Authorities and suggest measures for ensuring adequate water supply.

ITEM III (iv): Govt. have already made provision for the appointment of a nominee of the Annamalai University on the Expert Committee.

Mohammad

for DIRECTOR OF PUBLIC INSTRUCTION 11.7.46

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EDUCATIONAL DEPARTMENT.

SUB:-Engineering Colleges - Expert Committee - Minutes of the meeting.

R.O.C.No.501 K2/46 Dated 4th October 1946.

From

Dr. S.R.U. Savoor, M.A., D.Sc., I.E.S.
Director of Public Instruction, Madras.

To

The Secretary to Government,
Education & Public Health Department,
Fort St. George, Madras.

Sir,

(V)

REFERENCE:-Government Order No.1213, Education, dated 18-6-1946.

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pp15-25 infra

I have the honour to submit herewith a copy of the minutes of the meeting of the Expert Committee held on the 5th and 6th July 1946 with the following remarks:--

p19 infra

Resolution I.--While I generally agree with the Expert Committee about this resolution I would like to invite the attention of Government to the remarks found on page 10 of the pamphlet "Postwar Planning - Aeronautical Training and Education" published by the Government of India, Civil Aviation Directorate, which runs as follows:

> "A University education alone is not a qualification for employment in aviation, except in a relatively few purely scientific posts which occur in design offices, research laboratories and in the universities themselves. These posts are rare in an early stage of development. Emphasis must therefore be laid on the need for combining university education with practical work and training and there is great scope for the development by scholarships of talent revealed either in technical training or in practical work. A university education in Aeronautics for a pilot of outstanding ability is a combination which will prove of value to the pilot and his employer--but generally speaking it is the pilot who is the more difficult to find. A university education has direct application to the work of the Aeronautical engineers in responsible positions including the Aircraft Inspection staff, but it cannot eliminate the hard grind of practical engineering training. In an expanding department of Civil Aviation there will be a need for a few University trained men in the Airworthiness Department and for research and development work more closely related to their scientific and mathematical training. As the aircraft manufacturing industry slowly grows through its

advancing phases, there will be need for University trained men in the drawing offices and design departments. Graduates from aeronautical courses at universities will frequently prove suitable for recruitment and training in the Civil Air Service Training School for a varity of executive posts. These are the prospective outlets for the product of the Universities, but it must never be forgotten that practical training and experience must be linked with education, if Indian aviation is to benefit." ~~[illegible]~~

On page 26 of the pamphlet in connection with the Aerodrome School proposed by the Government of India, it is stated that between 120 and 150 Aerodrome Officers will be needed to administer and control the air routes planned in India. It is estimated that half of these will be needed in the first two years after the war and the remaining within five years// I would therefore suggest that the Director General of Civil Aviation may be consulted before final orders are passed by Government on this matter.

p19 infra

Resolution II.--I recommend that (1) Marine Engineering or Naval Architecture and (2) Aeronautical Engineering, if they are proposed to be started, should be started at the Engineering College, Vizagapatam, as originally decided by Government and that Highway Engineering need not be duplicated at Vizagapatam unless Government require very large numbers of Highway Engineers in the years to come.

p19 infra

Resolution III.--As stated in my letter R.OC.No.337 AK/45 dated 9-7-1946, the question of deputing the Organising Principal or a suitable Officer to the United Kingdom or U.S.A. may be considered later when found necessary.

p7

p21 infra

Resolution IV.--The committee recommends that the basic degree courses in Civil, Mechanical and Electrical Engineering courses, be reduced to 3 years instead of the present 4 years without in any way lowering the present standards. In the first instance I would like to remark that the University authorities will probably have to be consulted on this matter before any change can be contemplated. Further I would like to point out to Government that it is only in England the three-year course

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exists. In America it is a four-year course. The subject of engineering has become so vast that a four-year course as at present but with greater practical work in the colleges will probably be more advantageous to the country.

Recommended [illegible]

p21 infra

Resolution V.--I recommend the resolution of the committee.

Resolution VI.-- I have already recommended the request of the expert committee - vide: my letter ROC. No.501 K2/46 dated 5-9-1946 in reply to Government Endt. No.41385 A/46-1, Education, dated 31-7-1946.

Main file sent to Fin on 28-9-46

S R K Savoor.

Director of Public Instruction,
Madras.

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Office of the Chief Engineer, P. W. D.,
(General, Buildings & Defence),
Chepauk, Madras.
10th August 1946.

To
The Secretary to Govt., Education & Public Health Department,
Fort St. George.

Through the Director of Public Instruction, Madras.

Sir,

pp15-23 infra

I forward herewith the minutes of the meetings of the Expert Committee constituted by Government in G.O.No.Ms.1218 Edn. dated 18-6-1946 for working out details regarding the new Engineering College to be opened in the Province, ~~x~~ and would request that Government accept the recommendations made by the Committee and take immediate steps to implement the suggestions, particularly Resolutions III, V and VI. pp19-21 infra

I consider that it is highly desirable that the Organising Principal who is to be in charge of the Engineering College should be deputed abroad to select and purchase the equipment which will be necessary for the new College. I also consider that he should be deputed in the very near future, whilst the engineering College already started is giving tuition in the first year, ~~xxx~~any delay would mean that work of a more technical nature would be going on in the College ~~xxx~~ it may not be so convenient to spare the Organising Principal's services later on. Also, in view of the present situation throughout the world, the sooner orders are placed for machinery and equipment, the sooner is it likely to be supplied. Even at the best, it is doubtful whether machinery and equipment can be made available within a year after placing the orders.

In recommending the name of the Organising Principal, I have taken into consideration that he is a comparatively young man who will have 11 to 12 years still to serve in the

the Madras Educational Service, and the insight and information which he can get into the use of modern equipment and upto-date teaching methods will thus be available for the new Colleges for a considerable time.

4 As regards resolution V, constitution of a Standing Advisory Board on techical Education, this Board should not consist entirely of officials, although officials may be appointed to it, but should have members drawn from industrial concerns of all descriptions dealing with technical education.

5 As regards Resolution VI, I recommend the Government accept this with retrospective effect, as we are obtaining the services of the Experts gratis and the least we can do is to see that they are not at a disadvantage in coming to attend the meetings.

6 As the next meeting of the Committee is likely to take place in the first week of September, it is requested that Government's orders on these minutes may be communicated to the Convenor, the Organising Principal, by the end of this month.

Chief Engineer, P.W.D.

Enc: 1 copy of Minutes.

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MINUTES OF THE MEETING OF THE EXPERT COMMITTEE HELD ON THE 5TH AND 6TH JULY, 1946 IN THE OFFICES OF THE CHIEF ENGINEER, P.W.D., MADRAS.

Present:
1. R.McIntosh Esq., Chief Engineer (General, Buildings and Defence) -- Chairman.
2. G.P.Alexander Esq., Chairman, Port Trust, Madras.
3. Berry Esq., Chief Engineer, Madras & Mahratta Railway.
4. Sri Dewan Bahadur A.V.Ramalinga Ayyar, Retired Chief Engineer to the Government of Madras.
5. Dr.R.G.Harris, Professor, Aeronautical Engineering, Indian Institute of Science, Bangalore.
6. Dr.V.M.Ghatage, Assistant Professor, Aeronautical Engineering, Indian Institute of Science, Bangalore.
7. Sri. S.Govindarajulu Naidu, Vice Principal, Law College, Madras.
8. Sri Lakka Raju Subbarao, Representative of the Andhra University.
9. Sri K.S.Sitaraman, Principal, College of Engineering, Guindy.
10. Dr. K.L.Rao, Executive Engineer, P.W.D., Madras.
11. Sr. G.Sundaram, Chief Engineer for Electricity, Madras.
12. Dr. J.J.Rudra, Principal, Arthur Hope College of Technology, Coimbatore.
13. F.H.Mc.D.Wilson Esq., Superintendant, Vizag Port.
14. Prof. A.Viswanath, Organising Principal of the Colleges -- Convener.

The meeting opened with an introduction from the Chairman, in which he said that the last meeting held on 12th June was purely an informal meeting of the local members.

The first subject taken up was the question of specialised courses for the new Engineering Colleges taking into account the courses of studies in the existing Engineering Colleges.

M. A general discussion took place on the scope of employment of the Engineers that may be turned from the Madras Engineering Colleges in future. It was pointed out that a knowledge of Government's post-war development programme and probable demand of engineers in the next ten or fifteen years was necessary to decide on the specialised courses that should be instituted and the number of seats to be allotted to different courses. In regard to the Aeronautical Course, the point was raised whether in view of the training given at the Indian Institute of Science in this branch and possible expansion of same in future, there is need for other institutions to run courses in Aeronautical Engineering; unless the Government could arrange to absorb all the students that pass out there was no need for duplication.

In regard to Marine Engineering Course, Mr.Alexander said that the aim should be not a University Degree, but the B.O.T. certificate as this was the qualification required for employment at sea. It was pointed out that the practice in British Universities, was to run courses in Naval Architecture which was intended to train naval architects. The Royal Naval College at Greenwhich and the Glasgow University were the main institutions. The opinion of the members was that the Committee should recommend to the Government the opening of courses in Naval Architecture instead of Marine Engineering.

Mr.F.H.Mc.D.Wilson, Superintendant Vizagapatam Port in a subsequent written note stated

There will be in the near future a demand for Naval Architects in India They will have to becapable of holding controlling positions in shipyards and designing offices, as managers or draughtsmen, they will be required for posts of ship surveyors under the Mercantile Marine Department or for service in the R.I.N. construction service. The syllabus will include

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study and calculation of curvilinear areas, volumes and displacements centres of gravity, metacentric heights, moments of area, buoyancy, stability, moments and inertia stability at large angles, cross curves of stability, inclining experiments calculation of weights and strains experienced by ships, horse powers, the resistance and propulsion of ships, etc. He will be called on to know and understand the testing of all materials, classification societies rules, design of structure, sea-worthiness, features in the design of different types of vessels. He should know and recognise the principal structural members, the elements of structure and the details of structure. His practical experience should be in shipyard practice, in the marking, punching, furnacing beveling and flanging of plates and the bending of frames. He should be conversant with the work of the mould loft, the transference of shapes from drawings to the scrieve board, the setting out and marking off of templates, and the transfer of templates to therequired plates angles or beams, ~~e~~etc.etc.

From the above brief summary of a Naval Architect student's needs, it will be seen that no great deal of special laboratory apparatus is required, indeed with the exception of special charts and wall diagrams and sectional models, the laboratory apparatus of the mechanical engineering department would suffice.

Dr.Harris stated that in the Indian Institute of Science the aeronautice Diploma course was a two year teaching course for engineering graduates. A few students, to be drawn mostly from Diploma holders, were now to be admitted for research, and would qualify for the Associateship of the Institute by thesis after a further two years or so (five terms). The Indian Institute of Science was intended for advanced study and research, so it was hoped to expand aeronautical research and advanced study gradually and to restrict the more elementary study when possible. The two year Diploma course was undertaken in the absence of any basic degree courses in aeronautics in other institutions. In his opinion there is scope for instituingbasic courses in Engineering Colleges; the latter would not compete with the Indian Institute of Science, but rather relieve it by serving as feeder institutions.

With regard to Aeronautical Engineers, Dr-Harris stated that judging from the experience of the passed students of the Indian Institute of Science, there was very little demand at present, but the future developments in Civil Aviation will create a large demand. It was also pointed out that Government of India are also planning a very large aeronautical institution to meet future demands.

Dr.Ghatage supporting the above stated that we are mixing up two issues. He explained that a considerable part of unemployment is due to an unwarranted prejudice against the employment of University trained men arising out of designations like Ground Engineers etc. being given to men of the skilled mechanics and technicians class who are opposed to the admission of University men. He stressed that the issue of employment should not overweigh the opening of essential nation-building activities. The future of the Indian Institute of Science will be more and more towards confining to Advaned Study and Research Work and therefore there is scope for feeder institutions to run courses of study in Aeronautics.

Dr.K.L.Rao explained that due to war-time developments in the field of aeronautics, there is considerable quantity of specialised equipments available at the present moment and that we should take advantage of this and start aeronautics course.

Mr.Lakka Raju Subba Rao on behalf of the Andhra University stressed that the Aeronautics course was essential and that Vizagapatam was the ideal place for starting this specialised course. He pointed out that an Expert Committee of the Andhra University under the chairmanship of Mr.Phillipt had gone into this question and recommended the institution of Aeronautics Course in Vizagapatam. He further said that Government of Madras had approved the proposals.

Mr.Sundaram stated the whole question has to be based on the supply and demand. Until Government's post-war plans are known, it is not opportune to state how many colleges will be required and what courses should be instituted so as to produce the requisite number of specialised hands to fit in with the programme of post-war developments.

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After summing up all the discussions, the Committee agreed that there is need for opening of specialised courses and resolved to recommend to the Government:

Resolution I. That Specialised Courses of study in Aeronautics and Naval Architecture should be instituted in the Presidency, but before formulating further details, the Central and Provincial Governments should be requested to communicate their plans for employment and the number of specialists that will be required.

II. That the allocation of specialised branches of study, taking into account the courses in existing engineering Colleges, should be as follows:-

A

(a) That specialisation in Naval Architecture and Highway Engineering should be allotted to the Vizagapatam Engineering College. The details of the new branch of study, namely Naval Architecture should be drawn up only after a detailed knowledge of the organisation and working of similar courses in the leading U.K. and U.S.A. Institutions, is obtained first-hand by the Officer charged with the duties of Organising the specialised course.

Cocanada

(b) That Mining Engineering should be allotted to Engineering College at Anantapur subject to the need for this specialised branch being established for post-war Developments and needs. The specialised course in Hydraulic Engineering is also recommended in view of the proximity of the Tungabhadra Project and facilities in this line.

Anantapur

(c) That Textile Technology and Automotive Engineering should be allotted to the Coimbatore Engineering College.

(d) That High-way Engineering and Public Health Engineering Courses should be allotted to the Guindy College.

Guindy College

(e) That Aeronautical Engineering should be allotted to the Guindy Engineering College.

Mr. Lakka Raju Subba Rao desented from part (e) of the above Resolution. He expressed the opinion on behalf of the Andhra University that Aeronautical Engineering Course should be allotted to the Vizagapatam Engineering College. His note on behalf of Andhra University is attached (Last page). P25 [illegible]

III The next item discussed was equipment.

Dr. Rudra was opposed to the deputation of any one abroad for procuring the equipment as he said that there is no difficulty for any equipment except Machine Tools.

Dr.K.L.Rao stated that although standard lists of equipment for various Engineering Courses has been prepared by the Association of Principals of Technical Institutions in Great Britain, it will still be necessary for deputing the Organising Principal or a suitable Officer to obtain personal knowledge of specialised equipment at work in Institutions abroad and to make personal contacts with suppliers in order to expedite deliveries.

After some discussion the Committee resolved:-

Resolution III. That the Organising Principal or a suitbale Officer should be deputed abroad with powers to select and place orders for equipm ment so that in addition to expediting the supply of equipment for the Colleges, he should be given opportunity to study the latest developments in Engineering Science and Teaching in modern institutions abroad so as to enable him to shape the new Colleges along the latest lines of development.

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The question of staff was then discussed and it was decided to postpone this item for the next day. The meeting then adjourned.

ON THE 6TH JULY, 1946

Present:
1. R.McIntosh Esq., Chief Engineer (General, Buildings & Defence) -- Chairman
2. Berry Esq., Chief Engineer, Madras & Maharatta Railway.
3. Dr.R.G.Harris, Professor, Aeronautical Engineering, Indian Institute of Science, Bangalore.
4. Sri Dewan Bahadur A.V.Ramalinga Ayyar, Retired Chief Engineer to the Government of Madras.
5. Sri Lakkaraju Subbarao, Representative of the Andhra University
6. Sri S.Govindarajulu Naidu, Vice Principal, Law College, Madras
7. Dr. V.M.Ghatage, Asst.Professor, Aeronautical Engineering, Indian Institute of Science, Bangalore.
8. Dr. K.L.Rao, Executive Engineer, P.W.D., Madras
9. Mr.F.H.Mc.D.Wilson Esq., Superintendant, Vizag Port.
10. Dr. J.J.Rudra, Principal, Arthur Hope College of Technology Coimbatore
11. Sri G.Sundaram Chief Engineer for Electricity, Madras.
12. Prof. A.Viswanath, Organising Principal - Convener.

The first item considered was the institution of three years' basic degree courses in Civil, Mechanical and Electrical Engineering. The subject was discussed at length in which some members pointed out the indispensibility of a four year course as at present. It was finally agreed that a three year course is possible without lowering the present standards, by more intensive work and increasing the working hours. The Committee, therefore, resolved to recommend to Government:

Resolution IV.

i. That by intensive work and increasing the hours of work it is possible to provide basic degree courses in Civil Engineering, Mechanical Engineering and Electrical, Engineering of three years' duration in stead of the the present four years, without in any way lowering the present standards.

ii. That the Basic Degree courses of three years duration should be the normal qualification for entry for Govt. and public Services

iii. That the Basic Courses mentioned above should provide a wide choice of optional subjects in the third year, so as to prepare the necessary ground work for such students as may desire to take any ofthe specialised post-graduate courses.

iv. That specialised post-graduate courses of study leading to a higher degree or diploma of one or two years' duration according to the nature of the specialised courses should be organised in branches like Aeronautics, Highway Engineering, Automotive Engineering, Naval Architecture, Public Health Engineering, Mining Engineering, etc.

Mr. Sundaram raised the need for appointing a Standing Advisory Body to advise the Government on technical education in the Province in all its aspects. After discussions it was resolved to recommend to Government.

Resolution : V

That a Standing Advisory Board of Technical Education should be appointed with a view to advise Government of all matters of Technical and Technological Education on all types including University standard type, Diploma Standard type and Artisan Standard type on a properly co-ordinated basis.

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The Committee next appointed a Sub Committee consisting of the following members to work out details of Buildings and Equipment for the new Colleges.

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1. Prof.A.Viswanath, Secretary & Convener.
2. Dr. K.L.Rao.
3. Dr. V.M.Ghatage.
4. Sri Rao Bahadur A.R.Venkatacharya.
5. Mr. F.H.Mc.D.Wilson.
6. Prof.K.Sukumaran of Guindy Engineering College. } To be co-opted as members.
7. Government Architect. }

Dr. K.L.Rao has promised to procure standardised lists of equipment and plans as formulated by the Association of Principals of Technical Institutions in Great Britain for the use of the Committee.

Some members of the Committee raised the question of the inadequacy of Travelling Allowance granted. The Committee after discussions unanimously agreed that the grant of a single first-class fare was quite insufficient to meet train journey of members coming from outside. It was pointed out that Government was getting valuable advice of highly qualified experts for nothing and it was not proper that outside members should be put to incur expenditure from their own pockets in coming to give their advice.

The committee resolved to strongly recommend:

Resolution VI. That in the case of members coming from outside Travelling Allowance as for 1st class Officers (at 1½ first-class rates) should be allowed (for rail journey instead of the single first-class now sanctioned), with retrospective effect from 1-7-1946.

The next meeting was agreed to be held after certain notes on staff promised by Dr. Rudra was circulated.

The meeting then terminated.

College of Engineering,
Cocanada, D/8-8-1946.

Organising Principal & Convener

C.K.

NOTE BY SRI LAKKA RAJU SUBBA RAO, B.A., B.L., MEMBER ENGINEERING COLLEGE COMMITTEE DATED 18TH JULY, 1946.

I submit that the following note be added to the minutes of the proceedings of the Expert Committee that met on 5th and 6th of July 1946 in Madras.

I. The Andhra University was the first to appoint a committee to draw up a report for the establishment of a Marine - (Naval Architecture) and Aeronautical Engineering College. It can be seen from the report circulated to the members that in the third year there will be some courses common for both and that in the fourth year there is complete separation.

II. The Government of Madras considered the report and decided in proceedings R.C.NO. 337/45 dated 1-8-'45 that the college at Vizagapatam shall have the following courses (1) Civil (2) Mechanical (3) Electrical (4) Marine and (5) Aeronautical Engineering.

III. The Committee instead of implementing and supplementing the decision of the Government in the proceedings above referred to, have recommended that Aeronautical Engineering may be assigned to Guindy College. I respectfully submit that it is not within the purview of the reference made by the Government -- It may lead to the appointment of additional teachers in Guindy for the purpose which can be avoided if it is Vizag.

IV. Principal Rudra in a report submitted to the Government recommended that Public Health Engineering also should go to Vizagapatam, as a specialised course in Highway Engineering is started in Guindy College in 1945. He also recommended that power plant engineering (Thermal) should go to Vizagapatam. He also suggested that a special course in design and manufacture of measuring instruments might be had at Vizagapatam. Now instead of implementing the original order of the Government, the Committee recommended the omission of the Aeronautical courses in Vizagapatam. I may also state that Messrs Rudra and Ghatage who are in this committee served on the Andhra University committee and recommended Aeronautical to go with Marine. I therefore strongly urge that Aeronautical Engineering may be allotted to Vizagapatam.

V. Further the Honourable the Minister for Education on the occasion of the opening of the Vizagapatam Engineering College at Cocanada on 16th July, stated thus "The main subjects that will be taught in this college are Marine and Aeronautical Engineering in addition to the usual courses of study in Civil, Mechanical and Electrical Engineering. Vide Hindu dated 17th July, 1946. The committee is requested to revise its recommendations accordingly.

sd/ L.Subbarao

C.K.

A

(14)

27/14

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION, MADRAS.
Roc. No. 501 K2/46, dated 25-10-46.

Sub: Expert Committee for the organisation of the Engineering Colleges - recommendations.

Read: Letter No. N.C. X-1/46, dated 1-10-46 from the Principal, Engineering College, Cocanada.

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ASST. SECRETARY TO GOVERNMENT
65373
29 OCT 1946
EDUCATION AND PUBLIC HEALTH DEPT.

Submitted to the Secretary to Government, Education & Public Health Department.

2. A copy of the minutes of the meeting of the Expert Committee held on 5th and 6th July 1946, was submitted with my letter Roc. No. 501 K2/46, dated 4-10-46.

TRB. 26/10

for Director of Public Instruction.

To

The Secretary to Government,
Education & Public Health Department, Madras.

Sol
26/10

(779)

1529

Ref.No.N.C./X.I-/46.
dated 1st. Oct.1946.

From,
A.Viswanath.M.Sc.Eng.(Lond),
A.C.G.I.,D.I.C.,M.I.E.
Principal,College of Engineering,
Cocanada.

To,
The Secretary to the Govt. of Madras,
Education Dept.,
Fort St.George.

Thro'
The Director of Public Instruction,
Madras.

L.733 C4

Re;Implimenting the recommendations of the Expert Committee.
Ref. Letter dated 10th August '46 from the Chief Engineer
P.W.D.Madras,enclosing Minutes-

Sir,

I am directed to remind that no orders have yet been recieved in respect of the above letter of the Chairman of the Expert Committee,wherein it was requested that Government accept the recommendations of the Committee and take immediate steps to impliment the suggestions, and particularly the Resolutions III, V &VI,as detailed in the minutes of the meetings of the 5th & 6th of July '46.

pp21+23

A further meeting of the Committee was held on the 14th Sep. to consider details of the permanent buildings for the Vizagapatam Engineering College,in which the general feeling was that the decisions of the Government on the previous recommendations should be awaited for further deliberations.

I therefore request that early orders may be passed on the above recommendations, and communicated to me.

A Viswanath

Principal & Secretary

32

including ~~the~~ Aeronautical Engg. and Naval ~~Engineering.~~ Architecture.

Y.O.S.

22/11/46

Copy to the D.P.I.

Draft II

(17) 33

Memorandum No. 59178 A/46- 3 Edn, dated. 6- 12. 1946.

Subject : -- Recommendations of Expert Committee regarding matters connected with Engineering Colleges.

From the D.P.I., No. 501 K2/46, dated 4.10. 1946.

*****

dt. 9-11 CF

The Govt. generally approve the recommendations of the Expert Committee, forwarded with the D.P.I's letter cited, subject to the following remarks.-

p. 19 CF

Resolution I. The Govt. agree that the allocation of courses of study in the different colleges and the fixation of the number of students to be trained in the different branches of Engineering should be done after an assessment and survey of the requirements, of both the Central Government and this Government of specialists in the various branches of Engineering. ~~and~~ They propose to allot the work of that assessment and survey to the Standing Advisory Board recommended to be constituted in the Committee's Resolution~~s~~ V. Meantime, the Government of India are being addressed to indicate to this Govt. the probable number of students that may have to be trained by the Provincial Government in the various courses of Engineering, to meet the requirements of the Centre. A copy of the letter is enclosed.

p. 6 N.F

p. 21 CF

Draft I

34

Resolution II. The Govt. agree with the D.P.I. that "Highway Engineering" need not be duplicated and that "Aeronautical Engg." and "Naval Architecture" ~~Marine Engineering~~ be introduced in the Engineering College, Vizagapatam, at Cocanada.

Resolution III. The Govt. agree with the Director that the question of deputation of an officer abroad should be postponed.

Resolution IV. The Director is requested to obtain the views of the Universities on the recommendations of the Expert Committee, for the reduction of the duration of the Engineering courses from 4 to 3 years and for the organisation of post-graduate courses in branches like Aeronautics, Highway Engineering, etc., and to send a further report to Govt. at a very early date.

Resolution V. The Director is requested to send proposals for the constitution of a Standing Advisory Board of Technical Education, in consultation with the Director of Industries and Commerce.

Resolution VI. The question of granting increased travelling allowance to non-official members is being considered and orders will issue shortly.

To the D.P.I.
(with enc.).

25/11/46

26.11.46

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(18)

SECRETARY, EDN. AND P.H. DEPT.
27 JAN 1947
GOVERNMENT OF MADRAS

27 JAN 47
EDUCATION AND PUBLIC HEALTH DEPARTMENT

No. F.14-16(2)/46.E.III(S)
DEPARTMENT OF EDUCATION,
GOVERNMENT OF INDIA,
NEW DELHI 3, JANUARY 22, 1947

Dear Mr. Ayyar,

Kindly refer to your letter No. 59178-A/46-2-Edn. dated the 6th December, 1946, addressed to the Secretary to the Government of India, Department of Education, regarding institution of specialised courses in Engineering Colleges of Madras.

6190

I am desired to say that the question of collection of data relating to the existing number of technically trained men, their present conditions of employment, the total demand for technical personnel, the capacity of existing technical institutions to provide the necessary recruits and other cognate matters have been receiving the attention of this Department and as a first step a meeting of the technical experts of the Central Government Deptts. is proposed to be convened at a very early date. We shall be glad to give you the required information after the experts have considered this question.

In connection with the institution of Aeronautical Engineering Courses, I should like to say that Sir Frederick Tymms, Director General of Civil Aviation, feels that the development of training in Aeronautical Engineering should proceed in parallel with the development of the industry. He, therefore, suggests that the establishment of Aeronautical Engineering in new institutions should be deferred until the development of aircraft and aviation industries warrant it. In the meantime the essential training which is being given at the Indian Institute of Science, Bangalore, is deemed to be adequate. It might interest you to know that the Aircraft Production Mission recommended an annual output of 10 Aeronautical Engineers from the courses at the Indian Institute of Science Bangalore.

In the circumstances it will be seen that it would not be advisable to start new courses in Aeronautical Engineering at the present moment.

Kindest regards.

Yours sincerely,
G.K. Chandiramani
(G.K.CHANDIRAMANI)
Asst. Educational Adviser
to the Govt. of India
22.1.47

P.S.Viswanatha Ayyar Esquire, I.C.S,
Joint Secretary, Education & P.H. Deptt.,
Government of Madras, MADRAS.

Ofr H(A)

Pl. see the letter on plank. The main file on the subject has been linked with C. No 6774 (Engg. college - location at Cuddapah) and circulated to H.M (Edn) on 27-1-47. The file has not yet been recd in the section. This may lie over till the main file is available.

CT
6-2-47

6/2/47

7/2/47

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(19)

Copy of Memo No. 59178-A/46-4 dated 25--1--1947

Sub: Colleges - Engg. - Constitution of a Standing Advisory Board of Tech. Education.

Ref: Government Memo No.59178 A/46-3 Edn. dated 6--12--1946.

pp33-34 ante

The attention of the D.P.I. is invited to the Govt. Memorandum ~~Mm~~ cited and he is requested to expedite the submission of his report regarding the constitution of a Standing Advisory Board of Technical Education.

M.V. Subramanian,
Secretary to Government.

(TRUE COPY)

Office of the
Director of Public Instruction,
Madras, Dated 20-2-1947.

Roc.No.501 K2/46.

20

From
Dr. S.R.U. Savoor, M.A., D.Sc., I.E.S.,
Director of Public Instruction, Madras.

To
The Secretary to Government,
Education and Public Health Department, Madras.

Sir,

Sub:- Engineering Colleges - Constitution of a Standing Advisory Board of Technical Education.

16502

ASST. SECRETARY TO GOVERNMENT
28 FEB 1947
EDUCATION AND PUBLIC HEALTH DEPT.

Ref:- Government memorandum No.59178 A/46-4 Edn., dated 25-1-1947.

[illegible] the honour to state that I am awaiting proposals for the constitution of a standing Advisory Board of Technical Education from the Principal Engineering College, Cocanada who is the secretary of the Expert Committee. On receipt of these proposals I shall have to consult the Director of Industries and Commerce as directed in Government Memorandum No.59178 A/46-3 Edn., dated 6-12-1946.

I have the honour to be,
Sir,
Your most obedient servant,

for Director of Public Instruction

m.k.26/2.

4

Pl. see ~~the letter on p 3 ante~~ note on p 2 ante with ref. to the letter from the DPI on p 3 ante. The Director's final reply may be awaited till 1-4-47.

ES
28/3/47

NM
1/3/47

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(21)

Education Department.

From

Dr. S. R. U. Savoor, M.A., D.Sc., I.E.S.,
Director of Public Instruction, Madras

To

THE SECRETARY TO THE GOVERNMENT OF MADRAS
EDUCATION AND PUBLIC HEALTH DEPARTMENT,
FORT ST. GEORGE, M A D R A S.

R.O.C.No.501-K2/46 dated 21st March, 1947.

Asst. Secretary to Government
24 MAR 1947
Education and Public Health

Sir,

ENGINEERING COLLEGES--Recommendations of the Expert Committee.
Reference:-Government Memorandum No.59178-A/46-3 Education dated 6..12..1946.

24178

With reference to Resolution V of the Expert Committee, I have the honour to enclose herewith a copy of letter No.N.C. 398/47 dated 2.3.1947 from the Principal, Engineering College, Cocanada, submitting proposals for the constitution of a Standing Advisory Board of Technical Education. With regard to the personnel, I suggest that either the Director or the Joint Director of Industries may be a member as I consider that there is no need for both to be in the Board. I recommend that Dr. Hudra, Principal, College of Engineering, Guindy may be appointed as the Secretary of the Board. I request early orders of Government approving the personnel.

2. The Principal, Engineering College, Cocanada, has submitted a proposal for the acquisition of the R.A.F. sites, situated about 4 miles from Vizagapatam for the permanent location of the College. I submit a copy of the letter No.N.C.275/47 dated 12.2.1947 of the Principal together with the endorsement No.3558 Wks/46-27 dated 5.3.1947 of the Chief Engineer, P.W.D. (General, Buildings and Defence). In view of the fact that these sites are considered best for locating the college, I request that Government may take early steps to acquire the sites with the buildings and structures in them. The blue print plan of the site referred to in the endorsement of the Chief Engineer is enclosed.

For Director of Public Instruction.

Ms.24-3.

Edn H (A)

SO
24/3

The main file on the subject has been linked with another file of this Dept bearing C.No 24/P 6-74 (Location of Engg. College for Ceded Dts at Cuddapah) and sent to PWD on 25-3-47. That Dept may be requested to return the file as urgently as possible.

NM
31/3/47 RWD

Copy of letter Ref.N.C.No.398/47, dated 2nd March 1947 from the Principal, College of Engineering, Cocanada to the Director of Public Instruction, Madras.

Sub:- Proposals for Standing Advisory Committee for Technical Education vide Director of Public Instruction's note under proceedings H.O.501 K2/46, dated January 1947.

In accordance with the above, I am herewith sending recommendations for a Standing Advisory Committee for Technical Education. These recommendations have been drawn up after consultations with:

1. The Chief Engineer and Chairman of the Expert Committee.
   Mr. R. McIntosh.
2. The Chief Engineer for Electricity.
3. The Joint Director of Industries.
4. Mr. L. Subba Rao.

The Governments' decision to institute a Standing Advisory Committee for Technical Education is the outcome of the delebrations and recommendations of the Expert Committee who had discussed this subject at length. It has been the unanimous feeling of this committee that certain limitations in its constitution and terms of reference precluded it from dealing with various aspects of Technical Education as a whole which are inseparable from its terms of reference. In particular the following deficiencies are indicated as requiring rectification.

(a) Lack of authority to deal with Technical Education of the Diploma and skilled Artisan Standards.
(B) Absence of representatives of the Executives of the Industries Departments in the Committee.
(c) Absence of executive representatives of the Education Department in the Committee.
(d) Absence of representatives of Employers and Trades Organisation in the Committee. Etc.

The Standing Advisory Committee to be constituted should include in its terms of reference the Work of the Expert Committee, as all aspects of Technical Education should be considered by a single body without being piece mealed out.

It should retain the character of an Expert Body since the subject dealt with is highly Technical. It should further keep continuity with the Work of the Expert Committee. To achieve these objects the Standing Advisory Committee should essentially be formed out of a reconstitution of the Expert Committee, retaining its essential Technical Members and Secretary, as below:--

CONSTITUTION OF STANDING ADVISORY BOARD OF TECHNICAL EDUCATION

-----

1. Members:-

1. Director of Public Instruction. — Chairman.
2. Prof. A. Viswanath. — Member & Secretary.
3.
4. The four Chief Engineers (General, Electricity,
5. Highways, Irrigation).
6.
7. Chief Engineer, M. & S.M. Railway.
8. Chief Engineer, S.I. Railway.
9. The Director of Industries.
10. The Joint Director of Industries.
11. Principals of Engineering Colleges (Guindy,
12. Coimbatore and Vizagapatam)
13.
14. One Technical Representative of the Institution of Engineers, Madras Province.
15. One representative of Andhra University.
16. One representative of Annamalai University.
17. One representative of Madras University.
18. One Technical Nominee of Indian Institute of Science.
19. Two Technical Nominees of the
20. Legislature.
21. Two Technical Nominees of Employers and Trade Associatio
22.

II. Terms of Reference:-

1. To examine the Technical and Technological Education of this Province in all its aspects and make recommendations with a view to re-organise it on a basis that will make it more useful to the Province, more efficient and more up to date.

2. To advice Government on all matters of Technical and Technological Education of all types including University Standard type Diploma standard type and Artisan Standard type, on a properly co-ordinate basis to meet the requirements and developments of this Province and India as a whole.

Sd.. A. Viswanath,
Principal.

Copy of letter Ref.N.C.No.275/47, dated 12th February 1947 from the Principal, College of Engineering, Cocanada.

Ref:- Proceedings R.O.C.No.11198-G3/46, dated 16-1-1947 calling for a further report on the RAF site and buildings regarding suitability for VIZAG ENGINEERING COLLEGE.

In accordance with your above proceedings, I have discussed with the Chief Engineer and the Government Architect regarding the location of the VIZAG ENGINEERING COLLEGE in the RAF Area utilising buildings and structures indicated as Military Surpluses available Vide Proceedings R.O.C.No.11198-G3/46, dated 15-11-1946.

The following will indicate the various details of the RAF Site:

1. AREA OF LAND-LAND COST OF SITES ETC. The R.A.F. area is extensive and has been levelled up. It is on the Main Road from Vizag to Pendurti about four miles from Vizag. The land value here is considerably lower than in Vizag or Waltair.

2. EXISTING BUILDINGS AVAILABLE AND NEW CONSTRUCTIONS REQUIRED. Permanent Military Constructions immediately useable after minor improvements and alterations are available for the following:--

2

(a) Complete kitchen and dining halls for the entire college.
(b) Hostel for about 150 students.
(c) Quarters for staff except for Principal and Professors.
(d) Hospital with wards and staff quarters.
(e) An incomplete shed.
(f) Sports Field.

The above constructions will considerably reduce new construction work, which will be only the main College building, Workshops, Laboratories and quarters for Principal and Professors; also supplementing existing Hostel.

3. LIGHT AND WATER. Power and light lines have been laid out and available in the existing buildings also. The water supply is ample and is taken from the water main from Mahendragedda to Vizag which passes through this area. There is a good distribution system with storage tanks.

4. GENERAL. The site fronts the Cement Concrete main Road from Vizag to Pendurti and it is also near to Railway Station Gopalpur (distance 2 to 3 furlongs).

The location of the Engineering College at this site will result in considerable savings to the total cost on the following grounds.

(a) Lower land value.
(b) Cheaper foundations for new Buildings, due to ground being level and of satisfactory sub-soil.
(c) New constructions reduced to minimum.
(d) Lighting, water and power lines already existing.

Further the shifting of the College from its temporary location at Co
will be considerably accelerated and this will advance the normal work

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working of the College to an early date.

I recommend that this site may be chosen in preference to all previous proposals.

This letter is being submitted through the Chief Engineer, P.W.D., for the necessary endorsement and supply of a blue print of the site plan available in his office.

Sd...A.Viswanathan
Principal.

Copy of Endorsement No.3558 Wks/46-47, dated 3rd March 1947.

Read:- From the Principal, College of Engineering, Cocanada, to the Director of Public Instruction, letter N.C.No.275/47, dated 12-2-1947.

Forwarded.

2. I fully endorse that the R.A.F. site is the best one for locating the College. It has many advantage as already indicated in the Principal's letter N.C.No.8/917/46, dated 30-12-1946. I request that necessary action may be taken to secure this site and the existing Military buildings at an early date.

3. A blue print plan of the site with the extent of land required and the building existing in that area marked therein is forwarded herewith. On the plan serial numbers for the buildings proposed to be used for the Engineering College are marked ~~xxxi~~ 1 to 61. These are permanent structures except for roofing which may have to be replaced in a year or two. [The L.T.P. numbers of these buildings their plinth areas and costs of construction as ascertained from the local authorities by the Executive Engineer are noted in the enclosed statement.]

[Jot
not available

Sd...
for Chief Engineer, P.W.D.

Encl. 1. Blue print plan V.M.235/46
1 Statement.
Principal's letter.

True copy

For Director of Public Instruction

sd
24/3

A

47

24

PUBLIC WORKS DEPARTMENT.
No. 3414-Ad/46-14 dated 3rd April 1947.

From: R.McIntosh, Esq., M.B.E., B.Sc.
Chief Engineer, P. W. D.
(Genl. Bldgs. & Defence)
Chepauk, Madras.

To
The Secretary to Government,
Education and Public Health
Department, Madras.

(24)

Sir,

Sub: Colleges - Engineering - Vizagapatam and Anantapur -
Expert Committee - Minutes of the Meetings -

26766
6.4.47

Ⓥ

I forward herewith the minutes of the last meetings of the Expert Committee constituted in G.O.No. 1213 Edn. dated 18-6-1946 and the meetings of the Sub Committee for buildings and equipment. A copy of the Principal's letter No.389/47 dated 1-3-1947 is also enclosed.

p 48 infra

Attention is specially invited to the minutes of the meeting held on 8-2-1947 when the Committee considered the decisions of Government in Memorandum No.59178-A/46-3 dated 6-12-1946 on the resolutions passed at the previous meeting of the Committee. Resolutio No.III suggesting the deputation of an officer abroad was intended to expedite procurement of equipment. In my letter dated 10-8-1946 sent through the Director of Public Instruction, I recommended that the suggestion might be accepted and immediate steps taken to implement it. But in Government Memorandum No.59178-A/46-3 dated 6-12-46 Government directed that the question should be postponed. Delay in the procurement of machinery will postpone the functioning of the College. I would like to be informed whether in view of the urgency Government have since come to a final decision in the matter.

p 33 ante
p 19 ante
p 13 ante
p 34 ante

A Venkataraman
3.4.47

for Chief Engineer, P.W.D.
(Genl. Bldgs. & Def)

Encl: Minutes of the meeting &
a copy of the Principal's letter
No.389/47 d/1-3-47.
Copy to the Principal, College of Engineering, Cocanada.
ppr.3/4.

p.t.o.

Copy of letter Ref.N.C.No.389/47 dated 1st March 1947 from the Principal, College of Engineering, Cocanada.

I am enclosing copies of Minutes as detailed in letter N.C. No.386/47 dated 28-2-47. These are enclosed in duplicate so that one set may be transmitted to the Government.

I would like you to indicate in a covering letter to Government that the basic list of equipment for Laboratories and Workshops do not ~~tmak~~ indicate detailed specifications or prices as in the present conditions of scarcity and uncertain delivery of imported goods. Manufacturers are unable to quote definite prices, or assure delivery period. A considerable account of personal discretion and adjustment to utilise whatever items are immediately ready available will have to be made by the Principal in view of the urgent need to equip the College Workshops and Laboratories.

List of basic equipments on the Electrical section will be supplied in due course.

(True copy)

C Nagaratnam
3.4.47
Superintendent.

ppr.3/4.

3.4.47

MINUTES OF THE MEETING OF THE EXPERT COMMITTEE HELD ON 8-2-47 IN THE OFFICE OF THE CHIEF ENGINEER, P. W. D., MADRAS.

Members present:-

1. G.P. Alexander, Esq.
2. Prof. A. Viswanath, Secretary.
3. Sri A.V. Ramalinga Iyyer.
4. N.N. Adyanthaya, Esq. By Special Invitation.
5. Sri S. Govindarajulu Naidu.
6. Sri G. Sundaram.
7. Dr. K.L. Rao.
8. Sri L. Subba Rao.
9. Dr. V.M. Ghatage.
10. V.H. Sadarangani, Esq.
11. Dr. R.G. Harris.
12. Dr. J.J. Rudra.
13. R.McIntosh, Esq. Chairman.

Agenda Item I.

p 32 ante

The decisions of the Government of Madras *vide* Memorandum No. 59178-A/46-3 Edn. dated 6-12-46 bearing on the previous recommendations in Resolutions I to VI were considered and disposed as below:-

Resolution. I. Regarding allocation of courses of study in the different colleges and the fixation of the number of students to be trained in the different branches of Engineering should be done after an assessment and survey of the requirements, of both the Central Government and this Government.

Resolved that the Governments decision be recorded.

Resolution.II. On the allocation of specialised courses--

The committee resolved that the Governments decissions be recorded.

The Committee also resolved by a majority to reiterate its previous decision that the Guindy Engineering College is the best place considering all aspects for instituting a course in Aeronautics,

and that there should be an arrangement for reciprocity and equitable distribution of seats in the matter of admission into the courses of specialised study in all the Institutions of the Province so as to serve all areas of the Presidency on an agreed basis.

The division on this was as follows:-

Seven members for allotment of the course at Guindy.	Five members for allotment of the course at Vizag.
1. Sri A.V. Ramalinga Iyyer.	1. Dr. K.L. Rao.
2. N.N. Adyanthaya, Esq.	2. Sri L.Subba Rao.
3. Sri S.Govindarajulu Naidu.	3. Prof. A. Viswanath.
4. Sri G. Sundaram.	4. Dr. J.J. Rudra.
5. Dr. V.M. Ghatage.	5. V.H.Sadarangani, Esq.
6. Dr. R.G. Harris.	
7. R.McIntosh, Esq.	

Resolution.III. Regarding deputation of an officer abroad:

p 31 ante

After discussions it was resolved that the Governments decision be recorded and that it be pointed out that any delay in procuring the necessary equipment will postpone the functioning of the College and that Government should be making the necessary arrangements in the matter.

Regarding the Governments decisions on Resolutions. IV, V & Vi. the Committee resolved that these be recorded.

Agenda Item II.

Regarding suggestions for reduction of expenditure under the item new Engineering Colleges consequent on revision of Expenditure on Post-War development plans.

P.T.O.

The committee discussed this subject and it was the general feeling that in view of the tremendous problems of development facing our province and country any policy of curtailment of expenditure under Education and Public works is bound to be short lived. The Committee therefore endorsed the views of the Education Department "that it may not be necessary to reduce the cost on account of the schemes relating to the Engineering Colleges" and, resolved that no reduction of expenditure on account of the new Engineering College is possible.

The committee resolved that Professor Ramanathan of the Arthur Hope College of Technology, Coimbatore and Principal, Dr. J.J. Rudra of Guindy Engineering College be co-opted as members of the sub-committee.

The meeting then terminated.

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GVS.

MINUTES OF THE MEETING OF THE EXPERT COMMITTEE HELD ON 14-9-46 IN THE OFFICE OF THE CHIEF ENGINEER, P. W. D., MADRAS.

Members present:-

1. R.McIntosh, Esq., Chairman.
2. Prof. A. Viswanath, Secretary.
3. Sir C.R. Reddy.
4. G. Sundaram, Esq.
5. Dr. K.L. Rao.
6. Dr. V.M. Ghatage.
7. Sri S. Govindarajulu Naidu.
8. Dr. R.G. Harris.
9. G.P. Alexander, Esq.

The Committee considered the details of the permanent buildings of the College of Engineering, Vizagapatam as recommended by the Sub-Committee.

I. It was resolved that details of the permanent buildings be approved, but the designs for the Hostel buildings should be modified.

II. The subject of allocation Aeronautics course was referred to by Sir C.R. Reddy, as a matter for re-consideration. After discussions it w decided that this subject should be brought in for re-consideration at the next meeting of the Expert Committee. In the meanwhile data regarding the existing facilities and preparatory work already being done both in Vizag and Guindy should be collected for enabling the Committee to decide.

III. It was the general feeling of the members that pending Governments decision on the recommendations already made by the Committee no further work was possible.

The meeting then adjourned.

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GVS.

MINUTES OF THE MEETING OF THE SUB-COMMITTEE HELD ON 27-2-46 IN THE OFFICE OF THE CHIEF ENGINEER, P. W. D., MADRAS.

Members present:

1. Dr. K.L. Rao.
2. N.C. Desai, Esq.
3. Prof. A. Viswanath, Secretary.
4. Dr. V.M. Ghatage.
5. Sri A.R. Venkatacharya.

The Committee discussed details of accommodation requirements for the Engineering College and proposals put up by the Organising Principal for same.

I. It was decided that the building should comprise of the following:

1. One main imposing block, which will accommodate the class-rooms, Library, Lecture Halls and Assembly Hall, Physics, Chemistry and Geology Laboratories and lecture rooms.
2. The Laboratories and Workshops consisting of separate blocks which will permit H. & B. sheds (which are likely to be available) to be used. These steel frame structures will help to overcome the s/carcity of building Materials and steel.
3. Hostel for students with kitchen, dining halls etc.
4. Residence for Principal, Professors, Workshop Superintendent and other staff.
5. Dispensary and Medical Officer's quarters.
6. Labourer quarters.

II. Regarding details of accommodation the following decisions were made:

a). The College should accommodate ultimately 500 students as below.

Sanctioned seats for four years engineering college classes 4 x 100=400.	400
Provision for failures, casual students and advanced study courses.	100
Total.	500

b). Drawing office accommodation to be at 42 sq.ft. per student based on actual arrangements of a specimen class in the Guindy College. Lecture cum demonstration halls and lecture class rooms to be on the basis of providing 17.5 sq.ft. and 14 sq.ft. respectively per student. These figures again are based from actual specimen classes arranged in Guindy College.

In accordance with the above, the following accommodation was decided on:-

(i). Drawing halls.

Two halls each to seat	100	students.
Do.	75	"
Do.	50	"

(ii) Lecture halls and class rooms.

Two lecture theatres each to seat	100	students.
Four lecture halls to seat	75	"
Four ~~xk~~ lecture class rooms to seat	50	"

Physics Lecture room and preparation room.	1050	sq.ft.
Chemistry lecture room and preparation room.	1050	"
Physics Laboratory.	2100	"
Chemistry Laboratory.	2100	"
Stores Photometry etc.	1050	"

P.T.O.

(iii). Staff.

Principal's Office.	...	600 sq.ft.
Principal's Room.	...	400 "
Clerks Room.	...	1050 "
Stores and Records Room.	...	700 "
8 Rooms for Gazetted staff (Professors and Instructors) each at 300 sq.ft.		Total 2400 "
8 Partitioned rooms for Assistant Instructors each at 140 sq.ft.		Total.1120 "
Staff common room.		700 "
Committee Room.		700 "
Library Room.		3900 "
Reading Room.		2100 "
Students common room.		1750 "

(iv). Assembly Hall cum Visual Instruction theatre. 5000 "

To the above addition should be made for varandahs, passages, staircases, bath rooms, lavatories etc, also space for serving as models room for each section.

III. Laboratories and Workshops.

It was decided that independent blocks approximately 40' x 100' should be provided for the Laboratories and Workshops as below:-

Smithy and Foundry shop.	1 Block.
Carpentry and Fitting.	1 "
Machine shop.	2 "
Mechanical Engineering Laboratory.	2 "
Hydraulics Laboratory.	1 "
Strength of Materials Laboratory.	1 "
Electrical Laboratory.	1 "
Nautical Laboratory.	1 "
Aeronautics Laboratory.	2 "

In each of the above, additional provision should be made for Instructions room, stores etc. also in the Workshop accommodation should be found for Workshop Superintendents office approximately 600 sq.ft. together with store room for heavy and light items of workshop stores. It is intended that all the Laboratories and Workshops should have a Central Store with adequate staff and this should be under the control of the Workshop Superintendent.

The Mechanical Engineering Laboratory is to have additional provision for Boiler House, Gas Plant, Fuels section.

The meeting then terminated.

MINUTES OF THE MEETING OF THE SUB-COMMITTEE HELD ON 13-9-46 IN THE OFFICE OF THE CHIEF ENGINEER, P. W. D., MADRAS.

Members present:-

1. Prof. A. Viswanath, Secretary.
2. Dr. V.M. Ghatage.
3. Dr. K.L. Rao.
4. Mr. Desai, Consulting Architect to Government.

I. Committee approved the plans for the main building as drawn up by the Government Architect.

II. For the workshops and Laboratories it was decided to provide a number of independent blocks each approximately 40' x 100' suitably arranged in two rows with a connecting passage roughly as shown. The size 40' x 100' will make it convenient for using materials for M. & B. Sheds which has been proposed to be acquired. The arrangements permits expansion of Laboratories and workshops in accordance with future requirements.

III. In order to enable the College to move into the new premises by July 1948 it was decided that construction work should be in the following order:-

1. Main Building, Ground Floor and First floor.
2. (a) Workshops (Smithing, Carpentry, Foundry and Machine Shop).
   (b) Strength of Materials Laboratory.
   (c) Mechanical Engineering Laboratory.
   (d) Hostel for 250 students with cook-house, dining halls etc.
   (e) Quarters for Principal, One Professor, Workshop Superintendent, Hostel Warden, Six Menials and Two Watchmen.

These to be ready by April 1948.

3. All the other items should be ready by April 1950 i.e.,

Complete Main Building;
Workshops;
Laboratories;
Hostels;
Quarters;
Hospital;
Sanitation;
Water supply etc.

IV. It was decided that the items of equipment with approximate floor space for each department should be supplied by members as follows:-

Dr. V.M. Ghatage - For Aeronautics.
Dr. K.L. Rao. - For Civil Engineering Laboratories.
Prof. Viswanath. - For Mechanical Engineering Laboratories and Workshop.
Dr. Sukumaran. - For Electrical Laboratories.

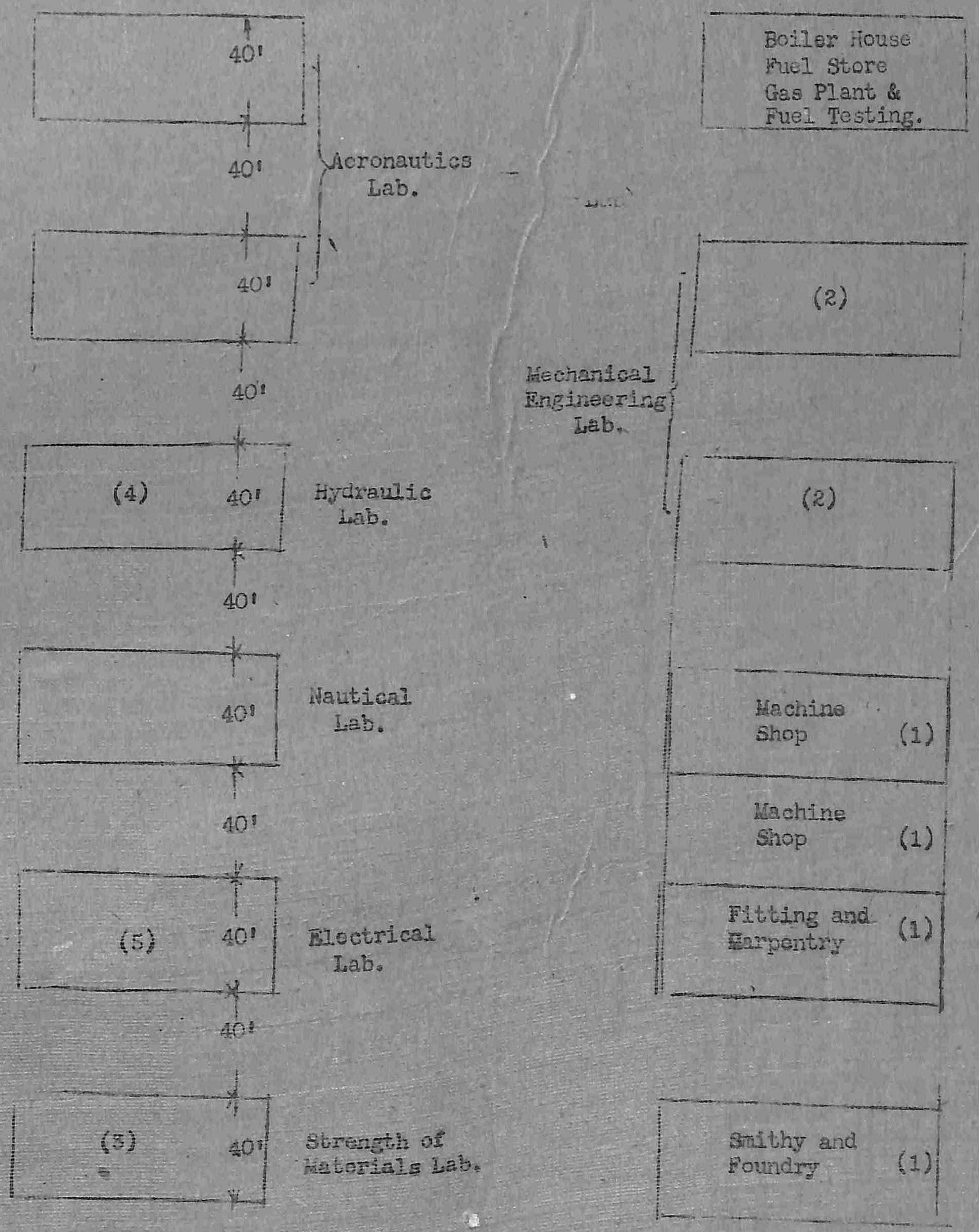
The meeting then terminated.

Encls:- I. Layout of Laboratories and Workshops indicating order of construction.
II. Lists of Basic Equipment:
(a) For Mechanical Section. (b) Civil Engineering Section.
(c) Electrical Engineering Section. (d) Aeronautics Section.
(e) Marine Engineering Section.

GVS.

BUILDING PROGRAMME.

LABORATORIES AND WORKSHOPS.



To be ready by April 1948.

1. Those marked (1) (2) (3) (4) (5).
   All blocks to have Store Room and Staff Room and Mechanical Engineering Laboratory to have sheds for Boiler House, Fuels Store and Gas Room.

2. Quarters to be ready for the following members of staff:

   (a) Principal (b) One Professor (c) One workshop Supdt.
   (d) Hostel Warden (e) Six menials (f) Two watchmen.

3. Hostel for 250 students.

Note:- All the rest of the buildings to be ready by May 1950.

WORKSHOP EQUIPMENT.

(Electrical supply 440 Volts. 3 phase.50 cycles).

The following equipment will provide:

(a) For 30 students to work at a time in the Workshops.

(b) A general production section for servicing all the departments of the College and also for making special apparatus and equipment xm for research in all sections and for Project work for advanced training to students in Production Engineering.

(c) A Tool room section.

MACHINE SHOP:

1.	SS Lathes - Individual motor drive - Standard change gear type with standard equipment - 6'-0" length of bed - 15 Nos and 8 to 10 ft. length of bed - 5 Nos.	20 Nos.
2.	Planing machines - individual motor drive - 4'-0" length of bed and 6'-0" length of bed.	2 Nos.
3.	Milling Machines - Universal type. complete - 4 Nos. - Vertical type - 1.	5 Nos.
4.	Slotting Machines. 12 to 16" dia. Table.	2 Nos.
5.	Shaping Machines - 12" stroke 3 Nos. 18" stroke - 2 Nos. - Cincinnati Pattern.	5 Nos.
6.	Radial Drilling Machine - 2½" drill capacity - radial arm - 3'-0".	1 No.
7.	Drilling Machines Vertical 1¼" drill capacity.	2 Nos.
8.	Surface grinder - Vertical spindle type - Table - 24" x 10".	1 No.
9.	Cylindrical grinder - Max. dia. of work 12".	1 No.
10.	Floor grinders 12" x 2" stones (One with twist drill grinding equipment).	2 Nos.
11.	Horizontal Boring Mill (Light type).	1 No.
12.	Electric welding set - 200 amps. capacity.	1 No.
13.	Oxy-Acetylne - Welding set (Portable).	1 No.
14.	Metal sawing machine (Band saw) motorised.	1 No.

ROOL ROOM SECTION:

1.	SSS Lathes, quick change gear, Precison lathes for tool room work 6'-0" bed.	2 Nos.
2.	Heavy type Lathe 12' to 14' (Axleson's Pattern) Hallow spindle for production work.	1 No.
3.	Capstan Lathe, modern type with all accessories.	1 No.
4.	Universal Tool and cutter grinder with attachment for Internal and External cylindrical grinding - medium size.	1 No.
5.	Jig Borer (Light type).	1 No.
6.	Broaching Machine.	1 No.
7.	Die Sinking machine.	1 No.
8.	Fellows gear shaper (Small size).	1 No.
9.	Sensative Bench Drilling Machine (Motorised).	1 No.
10.	Bench Mill Machine (Motorised.).	1 No.
11.	Bench grinder (Motorised) 10" x 1" dia. wheels .	4 Nos.
12.	A complete set of inspection gauges and accessories.	1 unit.
13.	Heat Treatment Furnaces and Pyrometers - Metallurgical Equipment. included in S.M. Laboratory.	

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GVS.

FITTING SHOP:

Equipmont for 50 students to work at a time

60 sets of fitter tools and necessary work benchos for 50 students.

60 - 4½" fittors leg vices.
3 - Marking tables 4'-0" x 2'-0".
4 - Surface plates 12" x 12".

Set of procision tool instruments, gauges etc.

BLACK SMITH SHOP:

Equipmont for 25 students to work at a time

10 - Smiths hearths. 26" x 26".
10 - Smiths anvils.
20 - Sets of Black smith tools.
2 - Swage blocks. 18" x 18" x 5".
1 - Power hammer. - 1 cwt.
1 - Drop forge. - 1 cwt.
1 - Blower to feed 10 hearths.
One set of pnuomatic tools - chipping, rivetting, caulking tools.
1 - Sheet Bending roll - 3ft. wide.
2 - Bar straighting press.
1 - Guillotin shear.

Foundry Shop:

Equipmont for 25 students to work at a timo.

30 sets of moulders and foundry mon, hand tools. 1 ladle s 2 cwts and 2 ladlos of 1 cwt.
1.- Cupola with blower and motor - 1 ton. tilting type.
1 - Crucible type tilting furnace - 500 lbs.
1 - Pnuematic repitition moulder - 15" x 15".
1 - Die casting machine - Pnuomatic type.
1 - Core making machine.
1 - Core drying oven - coke fired.

A set of auxiliari equipment like crucibles, pyrometers, moulds, sieves, spades etc.

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GVS.

BASIC EQUIPMENT FOR STRENGTH OF MATERIALS TESTING LABORATORY.

Equipment for making tensile , compression, shear bending torsion, impact, hardness, fatigue, etc. tests.

Equipment for testing cement, mortor, concrete, tiles, bricks etc.

Equipment for metallurgical analysis for metals and alloys.

Dark room with photo micrographic camera, metallurgical microscopes and with all fittings.

X-Ray equipment for measuring stresses etc.

Magnetic crack Detection apparatus.

Heat Treatment and Pyrometry section with temperature control furnaces, one for low and one for high temperature, including electronic furnaces, pyrometers of different types and auxiliary equipment.

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GVS.

BASIC EQUIPMENT FOR MECHANICAL ENGINEERING LABORATORIES.

HEAT ENGINE SECTION.

A. **Steam Section:**

Two Boilers of different types fitted up for testing with all accessories, instruments etc. for testing.

Steam Engines:

Different types, High and Low speeds. Single expansion and multistage expansion, uniflow.

Steam Turbines:

De-laval type, Reaction, Impulse and Combinations.
Parson ~~different types.~~ 5/c
Jungstrom turbine.

All the above to be completely equipped with testing appliances, dynamometers, indicators, gauges etc. Equipment for measurement of steam flow, heat transmission measurements, andersing plants etc.

B. **Internal Combustion Engine Section:**

Gas, Petrol, Diesel and semi Diesel engines of various types - Horizontal and Vertical - High speed and low speed - Two stroke and 4 stroke - opposed piston, tractor, automobile Single and multi cylinder - types.

Gas Turbines.

All the above to be fitted with complete accessories for testing, such as dynamometers, indicators, flue gas analysis Air, Water and fuel measurement appliances etc. Gas generator for water gas and charcoal gas fitted for complete testing.

C. **Fuel Section:**

Standard equipment according to A.S.T.M. and I.P.T. standards for measurement of:

1. Calorific value of solid, liquid and gaseous fuels.
2. Viscosity, Flash point, carbon residues, demulsification, number etc. of Fuel and Lubricating.
3. Standard C.F.R. Fuel rating engine for finding octawe valves and octawe ratings complete with all accessories for testing.

Equipment for chemical analysis of fuels, flue gases.
Equipment for standard tests for friction on lubricat oils and greases.

Refrigeration, Air conditioning and Air compressors and Power Transmission sections:

Experimental Refrigerating plant with 1 to 3 tons. capacity.
Various types of domestic refrigerating units
Freon, Ntt_3, So_2, Co_2 and Ccl_4 etc.
Typical Air conditioning units.
The above equipment to be completely provided with instruments etc. for testing.

Air compressors - Single and Multo stage types - Turbine and Roots type compressors fitted with necessary equipment for testing.

Power Transmission Appliances Such as belt, rope, chain and gear transmission appliances.

Apparatus for Power transmission and efficiency tests on motive Power plants - stationary and mobile types.
Static and Dynamic Balancing.

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GVS.

BASIC EQUIPMENT FOR MECHANICAL ENGINEERING LABORATORIES.

HEAT ENGINE SECTION.

A. Steam Section:

Two Boilers of different types fitted up for testing with all accessories, instruments etc. for testing.

Steam Engines:

Different types, High and Low speeds. Single expansio and multistage expansion, uniflow.

Steam Turbines:

De-laval type, Reaction, Impulse and Combinations.
Parson ~~different types.~~ S/c
Jungstrom turbine.

All the above to be completely equipped with testing appliances, dynamometers, indicators, gauges etc. Equipment for measurement of steam flow, heat transmission measurements, andersing plants etc.

B. Internal Combustion Engine Section:

Gas, Petrol, Diesel and semi Diesel engines of various types - Horizontal and Vertical - High speed and low speed - Two stroke and 4 stroke - opposed piston, tractor, automobile Single and multi cylinder - types.

Gas Turbines.

All the above to be fitted with complete accessories for testing, such as dynamometers, indicators, flue gas [illegible] Air, water and fuel measurement appliances etc. Gas generator for water gas and charcoal gas fitted for complete testing.

C. Fuel Section:

Standard equipment according to A.S.T.M. and I.P.T. standards for measurement of:

1. Calorific value of solid, liquid and gaseous fuels.
2. Viscosity, Flash point, carbon residues, demulsification, number etc. of Fuel and Lubricating.
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Various types of domestic refrigerating units
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Typical Air conditioning units.
The above equipment to be completely provided with instruments etc. for testing.

Air compressors - Single and Multo stage types - Turbine and Roots type compressors fitted with necessary equipment for testing.

Power Transmission Appliances Such as belt, rope, chain and gear transmission appliances.

Apparatus for Power transmission and efficiency tests on motive Power plants - stationary and mobile types.
Static and Dynamic Balancing.

* * *

GVS.

BASIC EQUIPMENT FOR HYDRAULIC LABORATORY.

PUMPS:

Single stage, and multistage pump of varying sizes and types such as centrifugal, turbine and Vane Pumps, Reciprocating spiral pumps with testing accessories, pipes, instruments etc. for testing.

TURBINES:

Reaction, Impulse, Radial and axial flow type, Kaplan, pelton wheel, complete with a motor driven turbine pump/delivering 6 cub.ft. per second at 75 ft. head to feed the Hydraulic Ram and Turbines and to fill the overhead tank.

Hydraulic Pump with accumulator.

Hydraulic Appliances like intensifier, press etc.

Over Head Tanks with a head of 60 ft. and ground tanks with suitable piping, ducts and fitments.

An open trough about 6 ft. wide and 120 ft. long for towing models and rating meters etc.

This will serve also for Marine Laboratory.

Venturi meters, Pilot tubes, modules, gauges measuring tanks, dynamometers etc.

Equipment for measurement of friction in pipes, Investigation of flow through pipes, orifices, mouth pieces, notches, wiers, channels, nozzles, valves, meters etc.

Miscellaneous appratus equipment and instruments.

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GVS.

AERONAUTICS SECTION.

SPACE REQUIREMENTS:

1. Aerodynamics Laboratory	40' x 120'
(a) Experimental work	40' x 60'
(b) Demonstration apparatus	40' x 60'
2. Structures Laboratory	40' x 120'
(a) Test stands and other equipment	40' x 80'
(b) Experimental work	40' x 40'
3. Instruments Laboratory	40' x 100'
(a) Exhibition room	40' x 60'
(b) Experimental section	40' x 40'
4. Models Exhibition room	40' x 60'

EQUIPMENT:

Aerodynamics.

(a) Special

1. Wind tunnel 5' open throat, motor 300 H.P. with Ward-Leonard system of control and, fan and 3 or six component balance. Estimated cost.	Rs. 5,00,000
2. Demonstration apparatus such as smoke tunnels, flow films models.	Rs. 1,00,000
(b) Laboratory apparatus etc.	Rs. 1,00,000

Structures.

1. Special testing machine and test stands etc.	Rs. 1,00,000
2. Apparatus etc.	Rs. 75,000
3. Demonstration models, Airplane parts and sectioned parts for mechanical working of parts.	Rs. 75,000

Instruments.

1. Flight, Navigation and Engine Instruments.	Rs. 50,000
2. Laboratory equipment for Instrument testing.	Rs. 50,000
3. Small altitude chamber and vibration test equipment.	Rs. 20,000
Exhibition of models.	Rs. 15,000
	Rs. 10,85,000

Sd. V.M. Ghatage,
13-9-'46.

GVS.

[102-45—12-8-46—5000.]

ANDHRA UNIVERSITY

WALTAIR, 23rd April, 1947.

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No. A4-10276-45.

Encl. 1.

From

THE REGISTRAR, ANDHRA UNIVERSITY

To

The Secretary to Government,
Education and Public Health Department,
Fort St. George, M A D R A S.

362

Sir,

Sub: Vizagapatam Engineering College at Cocanada - subjects to be taught.

Ref: Minutes of the Expert Committee dated 8-2-47.

Separate file [illegible] 5551 [illegible] A/47.

****

In continuation of this office letter No. A4-10276-2-45 dated 22-1-47, I am by direction of the Vice-Chancellor to inform you that the Syndicate at its meeting held on 18-4-47 considered the Minutes dated 8-2-47 of the Expert Committee constituted by the Government to advise on details of the new Engineering Colleges and resolved as follows:

p.79 infra

> "The Syndicate views with great concern the resolution adopted by the Expert Committee to allocate the teaching of Aeronautics to the Government College at Guindy instead of to the College organised at Vizagapatam in contravention of all previous commitments.
>
> The Syndicate would like to submit that the institution and organisation of various specialities in the Vizagapatam College has been from the very beginning a prominent consideration with Government, the public and the University; that it was with a view to organising a large number of specialities, of which a list was given in the original proposals, that it was proposed to designate this College "The Andhra Institute of Higher Technology" and it would be, in the opinion of the Syndicate, almost a relapse to routine if Aeronautics is excluded from its scope.
>
> It was the Andhra University that first thought of introducing Aeronautics and Marine Engineering and appointed a Committee as early as 1943 to go into this question and report. Further it has been explained that in its Departments of Mathematics and Applied Mathematics, Meteorology and Atmospherics and Applied Physics the Andhra University is better provided than any other University in South India to take up the basic Sciences, Pure and Applied, without which a highly Scientific courses like Aeronautics and other specialities would not be easily possible."

p.83

I am also sending herewith a copy of the Minutes together with letter dated 22-3-47 of Mr. L.Subba Rao University representative on the Expert Committee for your kind reference.

I therefore request you to kindly move the Government and obtain orders for the establishment of the College of Engineering at Vizagapatam with Marine and Aeronautical as special subjects in addition to other subjects.

The Vice-Chancellor and the Syndicate will be highly thankful for favourable and very early orders in the matter.

K. Gopalaswamy.
Registrar.

CR.

Copy to the Secretary to Government, P.W.D., Madras.
,, to Chief Engineer, P.W.D. Buildings & Roads, Madras.
,, to Principal, Engineering College, Cocanada.
,, to Mr. L. Subba Rao, Advocate, Vani Vilas, Cocanada.

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Appendix -- A.

MINUTES of the Meeting of the Expert Committee held on 8-2-47 in the Office of the Chief Engineer, P.W.D., Madras.

Members present:

1. G.P.Alexander Esq.
2. Prof. A.Viswanath, Secretary.
3. Sri A.V.Ramalinga Iyyer.
4. N.N.Adyanthaya Esq. - By Special Invitation.
5. Sri S. Govindarajulu Naidu.
6. Sri G. Sundaram.
7. Dr. K.L.Rao.
8. Sri L. Subba Rao.
9. Dr. V.M.Ghatage.
10. V.H.Sadarangani Esq.
11. Dr. R.G.Harris.
12. Dr. J.J.Rudra.
13. R. McIntosh Esq. Chairman.

Agenda Item 1.

The decisions of the Government of Madras vide Memorandum No. 59178-A/46-3 Edn. dated 6-12-46 bearing on the previous recommendations in Resolutions I to VI were considered and disposed as below:

Res. I. Regarding allocation of courses of study in the different colleges and the fixation of the number of students to be trained in the different branches of Engineering should be done after an assessment and survey of the requirements, of both the Central Government and this Government.

Resolved that the Governments decision be recorded.

Res. II. On the allocation of specialised courses --

The committee resolved that the Governments decisions be recorded.

The Committee also resolved by a majority to reiterate its previous decision that the Guindy Engineering College is the best place considering all aspects for instituting a course in Aeronautics, and that there should be an arrangement for reciprocity and equitable distribution of seats in the matter of admission into the courses of specialised study in all the Institutions of the Province so as to serve all areas of the Presidency on an agreed basis.

The division on this was as follows:

Eight ~~Seven~~ members for allotment of the course at Guindy.	Five members for allotment of the course at Vizagapatam.
1. Sri A.V.Ramalinga Iyyer.	1. Dr. K.L.Rao.
2. N.N.Adyanthaya Esq.	2. Sri L. Subba Rao.
3. Sri S.Govindarajulu Naidu.	3. Prof. A.Viswanath.
4. Sri G. Sundaram.	4. Dr. J.J.Rudra.
5. Dr. V.M.Ghatage. (R.G. Harris	5. V.H.Sadarangani Esq.
7. R.McIntosh Esq.	
8. G.P.Alexander Esq.	

Res. III. Regarding deputation of an officer abroad:

After discussions it was resolved that the Governments decision be recorded and that it be pointed out that any delay in procuring the necessary equipment will postpone the functioning of the College and that Government should be making the necessary arrangements in the matter.

Regarding the Governments decisions on Resolutions IV, V & VI. the Committee resolved that these be recorded.

Appendix - A.

Agenda Item II.

Regarding suggestions for reduction of expenditure under the item new Engineering Colleges consequent on revision of Expenditure on Post-War development plans.

The committee discussed this subject and it was the general feeling that in view of the tremendous problems of development facing our province and country any policy of curtailment of expenditure under Education and Public works is bound to be shirt-lived. The Committee therefore endorsed the views of the Education Department "that it may not be necessary to reduce the cost on account of the schemes relating to the Engineering Colleges" and, resolved that no reduction of expenditure on account of the new Engineering College is possible.

The committee resolved that Professor Ramanathan of the Arthur Hope College of Technology, Coimbatore and Principal, Dr. J.J.Rudra of Guindy Engineering College be co-opted as members of the sub-committee.

The meeting then terminated.

GR.

Appendix - A.

Copy of letter dated 22-3-47 from Mr. L. Subba Rau, Member Syndicate /Cocanada, to the Secretary & Convener, Expert Committee, Engineering College.

Note of L.Subba Rau, representative of the Andhra University.

In adhering to the note submitted by me with regard to the proceedings of the meeting of the committee, I wish to emphasise that the question of starting a Marine and Aeronautical Engineering college by the Government was first mooted by the Andhra University in 1943 and that a special committee was appointed by the University for the purpose. The previous administration and the present administration have definitely declared that Aeronautical Engineering course will be started in the Vizagapatam Engineering College. The resolution of the Government reiterated it. While the reciprocity arrangement and equitable distribution of seats are welcome, the Andhra University does not and cannot agree to the allotment of Aeronautical Engineering course to Guindy College. The facilities that may be available at Guindy will be available at Vizagapatam and perhaps even better.

One welcome feature is that the three Principals of the three Engineering Colleges are agreed upon allotment of Aeronautical Engineering to Vizagapatam.

Copy of letter dated 22-3-47 from Mr. L.Subba Rau, Member Syndicate, Cocanada, to the ~~[illegible]~~ Registrar, Andhra University, Waltair.

I am in receipt of your letter dated 13-3-47 regarding Engineering College at Cocanada. I am sending herewith a copy of the proceedings of the Committee held on 8th February 1947 for record. I have submitted a note to be appended, thereto. I am sending a copy of the note also for record.

Let the next Syndicate meeting pass a resolution about Aeronautics for Vizagapatam.

I shall meet the Principal of the Engineering College about the report.

CR.

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Secretary, E.& P.H.

It is a few months since we had asked the D.P.I. to send up his proposals for appointing a Standing Advisory Committee for the Engineering Colleges. H.M. P.W.D. had also sent a note about it. If the papers had been received from the D.P.I. the file may be put up.

Separate file [illegible]

29491

TSA
15-4-47

H.M. Education.

Camp: Coimbatore,
14th April 1947.

SECRETARIAT, EDN. AND P.H. DEPT.
16 APR 1947
GOVERNMENT OF MADRAS

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Copy of letter No.01204/24/CMG1/AF, Dated 22nd. January 1947, from the Deputy Secretary to the Government of India, Defence Department (Air Branch), New Delhi, to the Chief Secretary to the Government of Madras.

DISPOSAL OF SURPLUS LANDS AND BUILDINGS AT AIRFIELDS TRANSFERRED TO THE D.G.C.A.

Sirs,

Iam directed to say that the Governor General in Council is pleased to sanction the disposal of all surplus lands and created assets (nor required by the Director General of Civil Aviation in India or the Defence Services), on the following airfield, which has already been transferred to the Director General of Civil Aviation in India with effect from the dated shown against it:-

Name of Airfield.	Co-ordinates	DATE of transfer	Province in which situated.
VIZAGAPATAM	17-43 83-14	1.6.46	MADRAS.

2. The sale proceeds from the disposal of these assets should be credited to Old Main Head X Sub Head H-Disposal of Lands and Buildings, etc, of the Defence Services Estimates.

/TRUE COPY/

P.W.D.

Memo No.5988-IA/47-1 D/ 13-2-47.

Surplus Military Lands and Buildings - Airfields in Certain Districts - Disposal of.

The Government of India have sanctioned the disposal of all surplus lands and created assets (not required by the Director General Civil Aviation in India or the Defence Services) on the following ~~aerodromes~~ airfields

Serial No.	Name of the Airfield.
(1)	Gannavaram (Bezwada).
(2)	Tanjore.
(3)	Vizagapatam.
(4)	Madura.

The Collector of Kistna/Tanjore/Vizagapatam/Madura, and the heads of departments are requireated to state whether the lands and buildings in the airfield/airfields will be required for the use of their departments.

P.V.M.
Spl. Dy. Collr.

KNR.

/TRUE COPY/

R.C.22499-46-R-7.

D/6-3-47.

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From
A.H. Southern Esq., O.B.E., I.C.S.,
Collector, Vizagapatam.

To
The Secretary to Government,
Public Works Department,
Madras.

Sir,

Sub:- Buildings - Airfield - Vizagapatam - Disposal.
Ref:- Govt. Memo No. 5988 IA/47-1 P.W.D., D/ 13-2-47.

Of the pucca buildings relating to the Vizagapatam Airfield, those in the "N" Area would be extremely useful for the ancillaries for the Engineering College, which it is proposed to locate at Vizagapatam. I enclose herewith a copy of this office letter R.C. 24714/46-R-7 D/23-12-46, which I have already sent to the Government in the Development Department With reference to correspondence taken up about the same time, the Director General of Civil Aviation has asked for a plan showing the position of the buildings required relative to the aerodrome. The Executive Engineer, Vizagapatam has been requested to prepare one and it will be sent to the Director General of Civil Aviation on receipt.

I would however add in this connection that the principle of locating the Engineering College at the site referred has not yet been finally accepted. The Executive Engineer, Vizagapatam appears to have moved the Principal of the Engineering College, Vizagapatam (now at Cocanada) in December 46 and the latter also seems to have inspected the area and the buildings. The Principle of locating the College in this site requires immediate acceptance and I request the very earliest possible orders.

A.H. Southern,
Collector.

/true copy/

xxxx
8.3.47,
For Collector.

Copy to the Executive Engineer, Vizagapatam with a copy of this office R.C.24714/46-R-7 D/ 23-12-46 for information and for expediting the plan.

Copy of letter R.C.No. 247414-46-R-7 D/23-12-1946 from the Collector, Vizagapatam to the Secretary to Government, Development, Madras.

Sub:- Buildings - military - surplus buildings - disposal.

Ref:- Govt. Memo. No. 89114-A/46. D/ 28-11-46.

Of the several properties in the list enclosed to the Government memorandum cited above, none is required for any purpose of the Revenue Department. Of the properties in items 18, I have recently inspected the pucca buildings in 'N' Area and I would suggest the following use for them. The University and the Engineering authorities have for some time past been trying to select a suitable site for the Engineering College, but their outlook has been confined only to the limits of Vizag town. If these authorities could be persuaded to agree, the buildings in the 'N' area referred to above, would be extremely useful for the ancellaries for the Engineering College. The distance from Waltair is no greater than that of the Engineering College, Guindy from the Madras University propert, but in as much as the College is intended to impart instruction in aeronautics too, the proximity of the present site to the airfield is an advantage favouring its selection. There is sufficient land available for the erect of the College and other buildings and the Executive Engineer, Vizagapatam who has inspected it with me considers the soil suitable and even better than the soil of one of the sites selected at Waltair.

P.T.O.

20

1

At the time I made the inspection on 3-12-46, the O.C., R.A.F gave me to understand that minimum R.A.F., strnegth, details of which were still now known would be stationed at Vizagapatam and might require at least some of the buildings. I have addressed the Head Quarters 225 Group R.A.F., Bangalore for these details. But I understand that the Director of Civil Aviation has since taken over the entire R.A.F., area including the buildings in question and that the question of accommodation for the R.A.F., will be adjusted by him. If however the D.C.A., could spare the buildings and the site in the 'N' Area, the University authoritees would be willing to locate the Engineering College at the site. I obtained an agreement to this from the Syndicate at its last meeting.

SD/- A.H. Southern,
Collector

/true copy/

xxxxx
For Collector.
9.3.47.

S.D.C

(pp 15-20 above) P.W.D.

Further replies from the other Heads of Departments and Collectors may be awaited till 20-3-47.

KNR.
12-3-47.

91

Copy

45

Rc.No.7469-47. R.4. dated. 12---5---1947.

From

A.H. Southern, Esq., O.B.E., I.C.S.,
Collector, Vizagapatam.

To

The Secretary to the Government,
Public Works Department, MADRAS.

Sir,

Sub: BUILDINGS - Airfield - Vizagapatam - Disposal.
Ref: Government Memo No. 5988-I-A/47-1 (P.W.D) dated 13-2-1947 and this office R.C. 22499/46. R.7. dated 26-3-1947.

--

I invite attention to the correspondence cited above. In the Government Memo under reference the buildings in the 'N' Area of the Vizagapatam Airfield were stated to be surplus to requirements of the D.G.C.A Accordingly I suggested that they might be taken over as ancillaries for the Engineering College which it is proposed to locate at Vizagapatam and in order that it might be done, I requested that the principle of locating the College on the site might be accepted. The Executive Engineer and the Principal of the College of Engineering now at Cocanada were also addressed with reference to the proposal, and the last that I understood from them was that the matter was referred to the Director of Public Instruction. Recently however the Asst. Engineer, Central Public Works Department who is at the Vizagapatam Airfield has while desiring to be furnished some information, sent me a copy of the enclosed letter of the D.G.C.A., to the Secretary to the Government of India (Department of Communication) New Delhi from which it is obvious that the D.G.C.A., has since decided to acquire for his purposes the buildings and the area which it was under contemplation to take over for the Engineering College. I have since personally discussed the matter with the Assistant Engineer and I understand that the decision is a firm one and according to the plan shown by him not only the 'N' Area but the 'H' and some other areas also will be acquired for the D.G.C.A. The proposal to locate the Engineering College at the site thus falls to the ground, and the question of selecting a site for the colleges which has been engaging attention for over two years, has again to be started afresh.

Not read

A

(True Extract of the Collr's C.R. R.C. 7469-47 R4 D/ 12.5.47)

[illegible]

2. I would in this connection add that this is not the only case in which properties have been declared as surplus to Defence Department requirements, and the Collector has been asked to submit

P.T.O.

proposals for their utilisation, and there after the question has been pursued to some length the whole scheme has been scotched owing to the Government of India changing their minds without warning. Two more instances of the kind are the following:-

(a) The location of a soldiers Centre at Vizagapatam has bee under consideration ever since the year 1944. In his letter No 22745-1-A-46-2 dated 23-4-46 (Copy enclosed) the Industrial Adviser to the Government of Madras wrote to the Area Hirings Officer, that the Amenity Buildings at Vizagapatam were suited for the purpose and that the question of their release may therefore be taken up. The correspondence on the subject has been going on over since but it is now learnt from the Area Hirings Officer, that the buildings have been sold by the Defence Directorate to the Posts and Telegraphs Department direct. The question of selection of a building for the Ex-Service Mens' Centre has now to be started again- after an avoidable delay o over two years.

(b) The Military Dairy Farm at Vizagapatam, wass declared t be surplus to Defence Department, requirements, and itwas proposed that the Provincial Government should take it over to serv the civilian needs of Vizagapatam. For the details of how the proposals took shape from time to time, I invite attention to the correspondence resting with G.O.No. Ms. 1529 Defelopment dated 1 -4-47. In the Government order it was stated that as the General Head Quarters had offered the farm to the Agricultural Department it could not be taken over/by the Provincial Government. But what has transpired later is that the cattle and the equipment at the farm were disposed of either by sale or transfer to other farms, and the farm itself is being wound up. The Government order cited above indicated that the Agricultural Department, would probably run the farm, but this does not now appear to be the case. I cannot say whether this closure is due to the apathy of the Agricultural Departmer to run the farm but if only I had been consulted before

P.T.O.

C.F. 32.

Education Department

From (Name) Sri D.S.Reddi, M.A.,(Oxon), M.B.E.,
Designation Director of Public Instruction,
Station Madras.

Received .... Registered ....

To

The Secretary to Government,
Education and Public Health
Department.

ASST. SECRETARY TO GOVERNMENT, EDUCATION AND PUBLIC HEALTH DEPT.
20 JUN 1947

A

Wb

Enclosures:

Roc No. 501-K2/46, dated 16--6-- 1947.

Sir,

Sub:- Engineerring Colleges - Reduction of the courses of study Recommendations of the Expert Committee-

5104 b
pp 33-34 ante

Ref:- Government Memo. 59178-A/46-3-Edn., dated 6-12-1946.

---

p 34 ante

In para IV of the Memo. Government directed me to obtain the views of the Universities on the recommendations of the Expert Committee for the reduction of the duration of the Engineering courses from 4- to 3 years. The Registrar, Madras University States that the Syndicate does not agree to the proposed change as in its view the degrees confered by the University should conform to the Standards which will be recognised all over India and some foreign countries and that the bodies most competent to advise on a subject would be the Inter-University Board and the All India Board of Technical Education constituted by the Government of India. The Registrar, Andhra University reports that the Syndicate of the University agrees with the recommendations of the Expert Committee to reduce the duration of the course to 3 years, if that is finally resolved upon by Government and that the three years scheme obtains in all the Engineering colleges in the Presidency and that it does not involve disability in any shape or degree for admission to departmental services.

2. I consider that at present reduction is not possible since no college, excluding the college of Engineering, Guindy is properly equipped. I would therefore suggest that the question of reduction of the duration of the courses of study be deferred till recommendations in this regard are received from the Inter-University Board or the All India Board of Technical Education.

Q

VRR
19/6
for Director of Public Instruction.

KP.19/6.

19/6

K

47

C.F. 32 (a).

..........Department
From (Name) Sri D.S.Reddi, M.A.,(Oxon)
M.B.E.,
Designation Director of Public Instruction,
Station Madras.

Received..........Registered..........

To

The Secretary to Government,
Education and Public Health
Department,

1 JUN

Enclosures :

Roc.No. 501-K2/46. dated 16-6-1947.

Sir,

Sub:- Engineering College - Vizagapatam - Permanent location

51387

I have the honour to invite attention to my letter Roc. 501-K2/46, dated 21-3-1947 in which I recommended the acquisition of the R.A.F. sites with the buildings and structures in them, for the permanent location of the Engineering College, Vizagapatam. The Principal of the College now reports to me that these sites will not be available for this department as they have already been acquired and occupied by the Director-General, Civil Aviation , New Delhi and has submitted fresh proposals for the permanent location of the College. I request to be informed whether there is any possibility of the sites in question being re-allotted to this department or whether the alternative proposals suggested by the Principal may be examined and submitted to Government for consideration.

VRR

for Director of Public Instruction.

KP.19/6. 19/6

97 [102-45—12-3-46—5000.]

ANDHRA UNIVERSITY

WALTAIR, 23rd June, 1947

No. C2-6260-46.
Encl.
From

(48)

THE REGISTRAR, ANDHRA UNIVERSITY

To
The Director of Public Instruction,
Madras.

ASST. SECRETARY TO GOVERNMENT
JUN 1947
EDUCATION AND PUBLIC HEALTH DEPT.

Sir,

Sub: Affiliation - College of Engineering, Vizagapatam.

243 Ref: Your letter No. 501-K2-46 dated 8-5-1947.

I have the honour to inform you that the Syndicate at its last meeting held on 7-6-47 considered your letter cited above and resolved as follows:

RESOLVED that the letter of the Director of Public Instruction, be recorded and that his further reply regarding the reduction of courses of study be awaited.

RESOLVED further that as the R.A.F. Camp Site at Vizagapatam is reported to be not available for the permanent location of the Engineering College, Government be requested to proceed with the acquisition and development of the Sites opposite Karakachettu Road near the University Campus originally approved by the Committee.

RESOLVED further that Government be requested to take immediately, steps to obtain the necessary laboratory equipment for the various departments of the college, as such equipment cannot be obtained at short notice and the sooner it is ordered the better.

I am therefore to request you to kindly take early steps to give effect to the above resolution of the Syndicate.

K.V.Gopalaswamy
Registrar.

Copy to the Secretary, to the Government of Madras, Education and Public Health Department, Fort St. George, Madras.

Copy to file Re: Engineering College Building Scheme.

C.F. 32 (a).

49

Education Department

From (Name) Sri D.S.Reddi, M.A. ,(Oxon) M.B.E.,
Designation Director of Public Instruction,
Station Madras.

Received Registered

To

The Secretary to Government,
Education and Public Health
Department, Madras

ASST. SECRETARY TO GOVERNMENT
EDUCATION AND PUBLIC HEALTH DEPT.
19 JUN

Enclosures :

Roc. No. 183-K2/46, dated 16-6-1947.

50624

Sir,

Sub:- Engineering Colleges - Expert Committee - Secretaryship-

Ref:- Government Memo. No.36170-A/47-2, Edn., dated 2-6-1947.

With reference to para 5 of the Government Memo. I have the honour to state that while I have no objection to Mr. Viswanath continuing as Secretary of the Expert Committee, if it is to be dissolved soon, it would be more advantageous to have Dr. Rudra if the dissolution of the Expert Committee is likely to take time. I would also point out that apart from the fact that Dr. Rudra is a very Senior Officer, he is in Madras as stated in para 2 of my letter Roc.183-K2/46, dated 23-5-1947.

VRR 18/6
for Director of Public Instruction.

KP.18/6.

18/6

99

I

Edu and P.H. Dept

Issue to dy
M
13/8/47

Technical Education – Standing Advisory Board – Constituted – (50)

Letters from the D.P.I. No. 501 K2/46
d/ 21.3.47, ~~2.4.47~~ and 16.6.47

Issue Ap. 41, ~~47~~, 93 & 95 of
and further Action by

Order MS (Edu) 1829 Edn dated 19.8.47)

The Govt have decided that a Standing Advisory Board for Technical Education should be constituted. The functions of the Board will be ~~as follows~~

p 4 A and 4(b) of the secretariat notes

(1) to advise the Govt on all matters of technical and technological education of all types including university standard, diploma standard, and artisan standard on a properly co-ordinated basis to meet the requirements and developments of this Province and India as a whole.

and (2) to examine the technical and technological education of this Province in all its aspects and make recommendations with a view to re-organise it on a basis that will make it more useful, efficient and up to date.

2. The constitution of the Board will be as follows

Chairman – Hon'ble Minister for Edn,

Members – 1. Hon'ble Minister for Public Works
2. Director of Public Instruction
3. Chief Engr (G. [illegible])
4. Chief Engr (Electricity)
5. Chief Engr (Highways)
6. Chief Engr [illegible]

G.O. No. 2990
26.9.[illegible]

8. Principal, Arthur Hope College of Technology,
Coimbatore

9. Principal, Eng: College, Vizagapatam
(Cocanada)

10. ~~The~~ Director or joint Director of Industries

11. One Technical representative of
the ~~Institute~~ Institution of Engrs (India) South India Centre, ~~[illegible]~~

12 Three representatives of the universities
(one from each of the Madras,
Andhra and Annamalai universities)

13 One Technical nominee of the
Institute of Science, Bangalore

14 Three members of the Madras
Legislature (~~two~~ [illegible] from the Leg.
Assembly and one from the
Leg. Council)

15 Chief Engrs, M and S.M. ~~Ry~~ and
South Indian Railways

16. Six members to be nominated by
Govt to represent various industries
and the public

The Principal of the Eng. College, Guindy will be the secretary ~~of~~ to the Board.

3 The official members will draw travelling and daily allowances admissible under the Madras Travelling Allowance Rules. Members of the Legislature will draw travelling and daily allowances at the rates for which they are eligible when attending ~~a~~ meetings of the Legislature. ~~Orders~~ Other non-official members will draw travelling and daily ~~have the correct separately about the rates of~~ allowances at the rates admissible to members of ~~[illegible] for other non-official~~ [illegible] with reference to the orders members in G.O. No. 520 [illegible] D/ 10/ /47.

16/7/47

NM 16/7/47

16/7/47

4 The Govt direct that the Expert Committee appointed by them in G.O. No. 1219 Edn. D/ 18.6.46 shall cease to function from the date of ~~these~~ proceedings.

The D.P.I. ✓
" Director of Industries
" C.E. (R.B. & D) [illegible]
" C.E. ([illegible])
" C.E. (Irrigation) ✓
" C.E. ([illegible]) ✓
" C.E. (Coll. & [illegible])
" C.E. (S.I. Ry) ✓
" P.W. Dept
" Dev. Dept ([illegible])
" Director [illegible]
[illegible]
" [illegible]

" Regr. Madras Univy ✓
" Andhra Univy ✓
" Annamalai Univy ✓
" I.I. Sc. [illegible]
" Director of [illegible] ✓

D.P. 21/8

20

(51)

Edward P.H. Deh

101

Memo No. 59178-9/46A Edn dated 19.8.47

Technical Education - Eng: colleges
Recommendations of the Expert Committee

—

Ref letters from the D.P.I. No. 501 K2/46
D/ 21.3.47, 3.4.47 and 16.6.47.

pp 41, 47, 93 & 95 cf

Technical courses in the Eng. Colleges

p 35 cf

The Govt of India have stated that their technical experts are considering the question ~~of collection~~ of data of technically trained men, their conditions of employment, demand for technical personnel, the capacity of existing institutions to provide recruits and other cognate matters and that the information called for in this Govt's letter No: 59178A/46-2 D/ 6.12.46 (copy copied to the D.P.I.) will be furnished after the experts have reported. An extract of the letter of the Govt of India is forwarded to the D.P.I. for information.

pp 31-32 cf

p 35 cf

~~2 Continuance of the Expert Committee~~

~~Orders are under issue separately constituting a Standing Advisory Board of Technical Edn. It is presumed that the intention of the D.P.I. is ~~[illegible]~~ that the Expert committee may cease to function ~~as soon as the~~ from the date on which the Standing Advisory Board is constituted. The Director is requested to confirm the presumption~~

p 4 of the section notes

delete

~~3~~ 2 Location of the Eng: College, Vizagapatam (Cocanada)

The D.P.I. is informed that there is no possibility of getting the R.A.F. site at Vizagapatam reallotted for the location

p 97 the section notes

~~E~~ 102

of the Eng college, Vizagapatam. He may therefore examine the alternative proposals suggested by the Principal and submit them to Govt very urgently.

W 16/7/47

15/7/47

OSM 15/7/47

Despd with enclos 21/8

To the D.P.I.
(with copy the letter from the Govt. of India)

p 35 CF

PTO

Edn. & P.H. Dept. 5

Letter Ref. No. 59178-10/46A Edn dated 19.8.47 103

52

Despd R 21/8

To
The Registrar,
Andhra University
(with enclosure)
copy of para 3 on p 35 cf

Sir,

Engineering College – Vizagapatam (Coconada) – Subjects to be taught –

Ref: your letter no. 10276-45 d. 23-4-47.

p 77 cf

p 1 of the section note

The Govt. of India have stated that their technical experts are considering the question of collection of data of technically trained men, their conditions of employment, demand for technical personnel, the capacity of existing institutions to provide recruits and other cognate matters and that they will send a further communication after their experts have reported. The further communication is awaited. I am directed to say that ~~in the~~ ~~meanwhile~~ the Govt. have decided that pending receipt of the further report from the Govt. of India the proposal to introduce Marine and Aeronautical Engineering in the Viza

In particular the Govt of India have suggested that it would not be advisable to start new courses in Aeronautical ⊗

⊗ Engineering at the present moment. An extract from their letter is forwarded herewith.

Para 3 of letter at p 35 cf

106

College of Engineering should be postponed. x para 3 on

As regards the institution of Aeronautical Eng course in the college I am to forward an extract from the letter of the Govt. of India No: F.14-16(2)/46-E.III(8) d 22.1.47 for your information

14/7/47

15/7/47

16/7/47

Despd 21/8

Copy to the D. (with ext

IV

Letter No. 59178-11/ub A Edn d. 19.8.47
Ref.

To

the Secretary to the Govt. of India
Dept. of Education,
New Delhi.

Despd 21/8

Sir,

Engineering Colleges in Madras—Introduction of specialised courses

Ref: D.O. from Mr. G.K. Chandiramani No. F 14-16(2)/46-E-III(8) d. 22-1-47

p 35 cf

I am directed to enquire whether the committee of experts referred to in the D.O. have since submitted their report, and, if so, when the information promised may be expected. In this connection, I am to say that this Govt. attach great importance to the opening of courses in Aeronautics and Naval engineering in the Engineering College at Vizag (Coconada) as soon as possible.

Copy to

15/7/47

16/7/47

14/7/47

V

105

Edn and P.H Dept

Letter No. 59178-12/ub A Edn. dated 19.8.47
Ref

53

To

The Director,
Indian Institute of Science
Bangalore

Despd 21/8

To the Hony Secy,
The Institution of Engrs (India)
South India Centre, Madras
Ripon Buildings

Sir,

I am directed to forward a copy of G.O. No. 1829 Edn d 19-8-47 constituting a Standing Advisory Board for Technical Education in this Province. One of the ~~members of~~ places on the Board is for a technical nominee of the Indian Institute of Science, Bangalore Institution of Engrs India, South India Centre, Madras. I am to request you to be so good as to suggest the name of the person whom ~~you~~ the Institute the Institution would like to nominate.

Y O S

Despd 21/8

Copy to the D.P.I.

16/7/47

16/7/47

16/7/47

E & P.H. (1) Dept.

106

PP1-SCP

P7 CF

Colleges--Engineering--Vizagapatam and Anantapur--
Expert committee--Recommendations.

C.No. 31769/46 From the Organising Principal, Vizagapatam and Anantapur Engineering Colleges, No.N.C.9/46 dated 1[illegible].
From the D.P.I. R.C.No. 537 AK/46 dated 9-7-46.

***

(54)

The Expert Committee for working out details relating to the two Engineering Colleges, Vizagapatam and Anantapur, met informally on 12-6-46, before its actual constitution and made certain specific recommendations. The D.P.I. in his letter p.p. 7-8 C.F. has examined them. It will be seen that no action is called for on the recommendations.

2. Incidentally, the Director refers to one of his previous letters dated 29-6-46 in which he recommended that a post of Deputy Director of Technical Education might be created for co-ordinating the work of all the Engineering Colleges and to control the large expenditure that had to be ~~[illegible]~~ incurred on the new Engineering Colleges.

Extract at (9)

Please take it up urgently
[illegible] 7-46

This question will be considered in the file relating to the strengthening of the Inspectorate and Directorate of the Education Department during the period of the post-War Reconstruction. The further proceedings of the Experts Committee may be awaited.

File sent to Finance

C 25/7/46

5 D

BM
23/7/46

[illegible] 7-46

H.J.(Coln) for perusal

~~The report of the Committee may be awaited before taking further action.~~

~~TSR~~
~~27-6-46~~

~~Has not~~ Has not this committee appointed now to report on the possible steps to coordinate the various activities in the different eng. colleges. Its report may be awaited before further action is taken.

TSR
27-6-46

21 JUL 1946
GOVERNMENT OF MADRAS

109

'A' on p1 ante

Submitted, yes. Pl. see
ara 3 (i) a(4) C.O. No. 1213 Edn dt 18-6-46.

The further proceedings of the Expert
ommittee may be awaited.

S
9-7-46 W
29.7.46

BRM
29/7/46

N° 59178 A/46, From the DPI, ~~Roc~~ N° 501 K2/46 d 4-10-46

pp 9-11 cf

The Expert Committee has
net officially for the first time on the 5th and 6th of
uly '46. The DPI has forwarded ~~the~~ with his
emarks the minutes of the meeting. The Committee
as made certain specific recommendations
nd they are as follows:-

✓ pp 9-11 cf

pp 15-2

pp 19-23 cf

I that specialised courses of
study in Aeronautics and Naval Architecture
should be instituted in the Presidency and
that before formulating further ~~the~~ details the ~~of the study~~
~~the requirements of Specialists by the Provl and~~
entral Govts should be ~~assessed~~ consulting on their plans
or employment and the number of specialists required for service

p 19 cf

II That specialised branches of study
should be allocated to the Engg. colleges of the
rovince as shown at 'A' on p 19 CF.

do

III that the organising Principal
of the new Engg. Colleges (Prof. Viswanath - at
present Principal, College of Engg. Vizagapatam
at Cocanada) or any other suitable officer
e deputed abroad to select the necessary
equipment for the new Engg. Colleges and to
study the latest developments in Engg. science
and teaching in the foreign countries.

do

IV (i) that it is possible to introduce a basic course of 3 ~~years~~
instead of 4 yrs ~~may be introduced~~ for the Civil
Mech. and Electrical Engg. students.

p 21 cf

(ii) that the basic degree course should
e the normal qualification for Govt and Public services

(iii) that the basic course should

110

provide for a wide choice of optional subjects in the third
year,

55

p 21 cf

(iv) that a post graduate course for one or two
years should be provided on certain selected subjects.

55

(V) that a Standing Advisory Board of Technical
Education should be appointed to advise Govt. on technical
~~matters~~ education.

p 23 cf

(VI) that T.A. may be paid to the non-official members
of the Expert Committee at the rates admissible to Ist grade
officers i.e at 1¼ first class rates.

pp 13-14 cf

The C.E. P.W.D. (Gl. Bgs and D) as Chairman of the
Expert Committee, while forwarding the minutes of the committee
meeting to Govt. through the D.P.I., has o~~ffered remarks to the
effect~~ suggested that all the recommendations of the Committee may generally be accepted and that immediate steps be taken to implement
the suggestions especially on Resolutions III, V and VI. The
remarks of the D.P.I. are on pp. 9-11 c.f. The recommendations
of the Committee are examined below : --

Resolution I. Specialised courses of study in Aeronautics and Naval Architecture.

p 19 cf

The recommendation of the Expert Committee
is that the above specialised courses should be instituted in
this Province but that before doing so, the requirements of the
country for specialists in such subjects should first be ascertained before formulating detailed proposals. The D.P.I. generally agrees with the Resolution and suggests that as regards
Aeronautical course, the Director General of Civil Aviation ~~of Civil Services~~ may be
consulted. Development of Aeronautics and Naval Architecture
are matters bound up with All India policy. It is not known
whether and if so what proposals are under contemplation of
Govt. of India in the matter of providing employment for the ~~special personnel in
the subjects in question~~ specialists and the number that will be required by them. It seems therefore better to consult
the Govt. of India first. They may be told that it is proposed
to institute specialized courses in the subjects referred to in
the Engineering colleges of this province and they may be requested ~~re-
quested to advise as to the manner~~

p 19 cf

requested to advise as to the number of seats that should be provided, having regard to future developments and present requirements of Aviation and Naval Engineering.

This is quite essential. W

Resolution II. Allocation of specialised courses in the engineering college.

One of the terms of reference to the committee is that it should recommend on the specialized courses to be provided in the new Engineering Colleges, account being taken of the courses of studies in the existing Engineering colleges. The specialised courses now existing in the Govt. Engineering College and as recommended by the committee are as shown below :-

	As now existing.	As recommended.
Engineering College, Guindy.	(1) Civil Engineering. (2) Mechanical " (3) Electrical. " (4) Highway " (5) Tele Comm. "	(1) Civil Engineering. (2) Mechanical. " (3) Electrical. " (4) Highway. " (5) P.H. Engineering. " (6) Aeronautics. "
A.H. College of Technology, Coimbatore.	(1) Textile Technology. (2) Automotive Engineering. (3) Electrical Technology. (4) Civil Engineering. (5) Mechanical Engineering.	(1) Textile Technology. (2) Automotive Engineering. (3) Electrical Engineering. (4) Civil Engineering. (5) Mechanical Engineering.
Engineering College, Vizagapatam, (now at Cocanada).	-	(1) Naval (Marine) Architecture (2) Highway Engineering (plus the usual Civil, Mech and Elect. Engineering)
Engineering College, Anantapur (not yet opened).	-	(1) Mining Engineering. (2) Hydraulic Engineering (plus the usual Civil, Mechanical and Elec. Engineering).

Besides, the Annamalai University is running an Engg. college where instructions are given in Elec. Mech. Civil Engg. including Road Engg, chemical Technology and Electrical communication Engg. There is also the Alagappa Chettiar College of Technology under the control of the Madras University. The courses provided in the College are Chemical Engg., Textile Chemistry, Textile Technology, Leather Technology, Pharmaceuticals and Fine chemicals, Electro-chemistry and Industrial Fermentat

The Vizagapatam Engineering College has been opened (temporarily at Cocanada) only this year. The Anantapur Engineering College has not yet been opened but 50 additional students have been admitted in the Engineering College, Guindy and 15 additional students in the A.H. College at Coimbatore with a view to ultimately transferring them to the Anantapur college, when it is eventually opened. No question of specialisation will arise in respect of these colleges till the beginning of the third year course.

The statement above will show that according to the allotment of the committee, P.H. Engineering and Aeronautical Engineering will have to be newly introduced in the Engineering College Guindy and that ~~the~~ Highway Engineering already in the above ~~colle~~ college will be duplicated by being ~~opened~~ provided in the Vizagapatam college also. The reason for ~~this duplication~~ recommendation has not been mentioned but probably the committee anticipates that a very large number of specialists in Highway Engineering will be required in connection with postwar development plans relating to communication. The D.P.I. does not recommend the duplication of Highway Engineering at Vizagapatam unless a large number of Highway Engineers are required in the years to come. The postwar five year plan contemplates that Aeronautical Engineering Course should be opened in the Vizagapatam college, and the D.P.I. still recommends the same but the committee has allotted this course to the Guindy college. The reasons for the allotment are not mentioned. ~~In view of the highly exper composition of the committee, its recommendations, may perhaps be accepted as a whole. For orders.~~ Attention is also invited to the dissenting note of Mr. L. Subba Rao of the Andhra University at p. 25. c.f. It may also be ~~noted~~ stated that Finance Secretary noted, in another connection, that the P & D Board has recommended that Aeronautical and Marine Engineering need not be introduced in the Vizagapatam Engineering College in order to reduce expenditure on the scheme. ~~The D.P.I. have also expressed a similar opinion. For orders~~

A DPI's view may be accepted W

DPI's view may be accepted: the technical [illegible] may [illegible] W

This is a different question: it need not affect a decision on it. When we [illegible] yet when we [illegible] W

Resolution III. Deputation of Organising Principal abroad.

The equipment necessary for the new Engineering Colleges are now being purchased partly through the Industrial Adviser to Government, partly in the open market locally and partly by placing orders direct with firms in foreign countries. Besides, as the first two years courses are common in all branches of Engineering and specialisation begins only in the third and the fourth years the D.P.I. recommends that the question of deputing an officer abroad even now does not seem to be necessary and that the question may be considered later when found necessary. The Chief Engineer has however suggested the taking of immediate step to implement this resolution. For orders as to the further action to be taken. The DPI.'s views may be agreed to.

P.C.F

pro 3 to 1 / F13-14 C.F

DPI's view may be accepted

6 113

p 21 cf

Resolution IV.

The suggestions of the Expert Committee are :

(1) to reduce the duration of the existing course in the Engineering College, Guindy, from 4 to 3 years and to award the basic degree at the end of the course; and

(2) to organize specialised post graduate courses in branches like Aeronautics, Highway Engineering etc.

The Director has not offered any remarks on the scheme as put forward by the Committee but has only stated that it is not possible to reduce the 4 years to 3 and that the University will have to be consulted. It seems that the initiative in the matter should be taken by the Universities. If they prescribe post graduate courses of study, the question of ~~medical~~ making provision for them in the Govt. ~~Engineering~~ Colleges, ~~xxxxxxxxxx~~ can be considered. The Resolution may be communicated to the Universities for consideration.

pp 10-11 cf
We are interested in the speedier production of personnel, if possible; & we may take the initiative. We may ask the D.P.I. to consult the University & report further.
B

p 21 cf

Resolution V. - Standing Advisory Board of Technical Education.

The D.P.I. recommends the constitution of a Standing Advisory Board of Tech. Edn. The recommendation may perhaps, be accepted. The Director may be asked to send necessary proposals.

A
Dev. dept. may also see.

Resolution VI - T.A. to non-official members of the Committee.

p 23 cf

The question is being examined separately.

Separate file not put up

The file may be sent to P.W.D. and Finance for remarks.

OSM
24/10/46

Obviously the allocation of courses is to be taken only as 'outline' & tentative now; please see 14 at p 15 cf. It is only after assessment & survey are made that we will be able to decide definitely about the courses and about the numbers to be trained in the respective courses; the Standing Advisory Board proposed to be set up may arrange for the assessment & survey to be done. PWD Dev

31 OCT 1946

7 (57) 114

PWD

~~To 18~~ Please see the notes of Edn & PH Dept from p 2 ante. This dept. is mainly concerned with the following aspects :-

(1) Allocation of specialised courses in the Engineering Colleges

p 19 cf

(2) Reduction of duration of the existing course from 4 to 3 yrs & the organisation of specialised post-graduate course in branches like Aeronautics Highway Engineering etc.

p 21 cf

(1) above Edn & PH Dept. have accepted the D.P.I.'s view that instn. in Highway Engineering need not be duplicated at Vizagapatam unless a large number of Highway Engineers are required in the years to come.

A in p 5 ante

In this connection it may be stated ~~that~~ with the impending re-organisation of the Highways Dept and the priority assigned to road works, it would perhaps be sufficient ~~to~~ if instn. in Highway Engineering is imparted for the present in one college. In the circs, this dept may agree with Edn & P.H. Dept.

File in A Section

(2) above Edn & H Dept propose to ask the DPI to consult the University in the matter and submit a report in the matter further. This may be accepted in this dept.

B in p 6 ante

With these remarks, the file may be passed on to Dev (Edn & PH may be requested to circulate the file in due course, ~~the file~~ to Hm (PWD))

To A Section

1-11-46

1.11.46.

~~Isn't there a file with us about tests on the Engg College to the ... of~~ ~~PWD~~

Govt's programme for Highways does not seem to require, as far as can be seen at present, that two Colleges should turn out Highway Engineers.

Agree with E & P.H. regarding the question of reduction of the course to 3 years from 4 years. Alternatively it may be considered

115

whether a certain amount of practical training or apprenticeship could be included in the present 4 year course.

1/11

I do not think instruction in highway engineering should be restricted to only the College. Provision can be made tentatively at the Vizag College and if the response is not adequate the further continuance of the course can be reviewed.

There is no objn. to the reduction of the course to three years in order to increase the outturn provided facilities are provided for practical training within the reduced period.

D.P.I.
1.11

Dev

AM
1-11-46

P.W.D. L.O. No. 6334-L/46-1
1.11.46

Dev. Dept

83209

To Addl Secy

This file has been sent to this Dept with reference to resolution V of the Expert Committee (on the organisation of Engineering Colleges at Vizag & Anantapur) regarding the constitution of a Standing Advisory Board of Technical Education for the province.

The Expert Committee contemplates that the proposed Standing Advisory Board should include in its purview technical education of the Diploma Standard type and of the Artisan Standard type. These ~~two~~ the branches of technical or industrial education are at present under the control of the Director of Industries and Commerce with the respective Subordinate

Vide A
R on p
Vide R
Polytechn

58

116

teaching and inspecting staff. The Govt. have also constituted a Technological Diploma Examination Board to help the D.I.C. in the conduct of the Diploma Examinations and in matters relating to industrial education. As the proposal of the Expert Committee in the file does not appear to have taken into account the existing conditions regarding the Diploma Standard & Artisan Standard types it seems necessary to obtain the remarks of the D.I.C. on this resolution. The personnel of the Committee does not include any representation from the Dept of Industries & Commerce. E.S.D.H. may be requested to obtain [illegible] they [illegible] again before final orders are passed in the Govt. [illegible]

[illegible]

V

57739
1-11-46

Dev. M.G. No. 83209 DI/46
2-XI-46

The remarks of this deptt are called for on the proposals in Resolution No III and VI of the Expert Committee for working out details regarding the new Engineering College to be opened in this province. So far as Resolution No III is concerned, the D.P.I has stated that the question of deputing an officer abroad does not seem to be necessary and that the question may be considered later when found necessary. Con & P H agree with the D.P.I view. No remarks are called for in this instance.

As regards Resolution No VI, T.A. to non-official members of the Committee, Con & P H propose to examine the question separately. No remarks are now called for. The case may now be

p 19 c.p.

117

Perused & returned to [illegible] E & P.H. (When definite proposals have been formulated [illegible] the Dept will work out the financial implications involved therein.)

2/11/46

A.O.
2-11-46

D.S.

2/11/46

E&PH

[illegible] 597
3

ASST. SECRETARY TO GOVERNMENT
4 NOV 1946
EDUCATION AND [illegible] HEALTH DEPT.

E. and P.H.(A)

The recommendations of the Expert Committee are summarised at pp.2-3 ante, The statement ~~at~~ (Y) shows in one view, the proposals as recommended by [illegible] this Department, ,P.W.D., Development and Finance.

It will be seen from the statement that the only point of contention is about Resolution II. It does not seem necessary to introduce ~~the~~ Highway Engineering Course in the Cocanada Engineering College also at the ~~very~~ outset. When the need for Highway Engineers is keenly felt, the question may further be considered. This department may therefore adhere to its former views.

p5 ante

A draft letter to the G.of I. with reference to Resolution I and a draft memo to the D.P.I. with reference to Resolutions IV and V. are submitted. As regards Resolution V, the Director may be asked to submit proposals in consultation with the D. of I. and C.

p19 ef.

For orders as to circulation to H.M. (Edn.). H.M. (P.W.) and H.M. (I. and L.). The Drafts approved [illegible] proposal.

SECRETARY, EDN. AND P.H. DEPT.
6 DEC 1946
GOVERNMENT OF MADRAS

ES
27-11-46

27/11/46

26-11-46

H.M. (Edn)
H.M. (P.W.)
H.M. (I & L)

TSA
28-11-46

1-12-46

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(59)

118

P.W.D. (Dis)

Surplus Lands and Buildings - Airfield, Vizagapatam Disposal of.

From the Government of India, Defence Dept., Letter No. 1204/24/GMG 1/AF D/ 22-1-47.
From the Collector of Vizagapatam, Rc.No.22499-46-R-7 D/ 6-3-47.

S.D.C.

The Government of India in their letter No.1204/24 GMG 1/AF D/ 22-1-47, have sanctioned the disposal of all the surplus lands and created assets on the Vizagapatam Air field. The Collector of Vizagapatam and the heads of depts were consulted whether they would require the lands and buildings in the airfield for the use of their depts. Replies from the Board of Revenue, C.E. (Spl). and the Collector of Vizagapatam have been received, and those from the other heads of depts. are awaited.

2. The C.E.(Spl) does not require any of the buildings in the airfield. The Board of Revenue has stated that the Collector of the district will intimate his requirements if any, for storage purposes. The Collector of Vizagapatam has reported that the buildings in the 'N' Area of the Airfield will be extremely useful for the ancillaries for the Engineering College which it is proposed to locate at Vizagapatam. He has further reported that the Principal of the Engineering College (at Cocanada), had inspected the buildings in the 'N' Area and that the question of locating the College in the above site has not been decided. The Collector has therefore requested early orders on the question of locating the Engineering College in the above site.

E & P H may see for remarks.

KNR
D/15-3-47.

P.V.M.
D/15-3-47.

D.S.
P.C.M.
D/17-3-47
E & P H.

Please see the notes above. The D.P.I has submitted the same proposal for acquiring the R.A.F.sites in Vizagapatam for the permanent location of the College - Vide his letter

L.F. No separate action seems necessary on the letter of the Collector of Vizagapatam regarding the Engineering College. However P.W.D (Dis) may be requested to send relevant extracts to this Department from this file. /A

The file may be returned to P.W.D U/O.

B.K.M.
D/ 31-3-47.

ASST. SECRETARY
16 APR 1947
29242
EDUCATION AND PUBLIC HEALTH DEPT.

P.W.D (Dis)

To S.O.C.

With reference to 'A' above, necessary extracts have been taken for this file. [illegible] 47.
This may now be sent to E & P.H.

8/4/47 9.4.47

10/4/47

DS / E & P.H.

15/4

P.W.D U.O. No. 6805 Dis/47-1
15/4/47.

E.P.H (A)

No action is called for on these papers. May be added to the top file (C. No. 59178)

ES [illegible] 1/5/47 2/5/47

Issued as Lr No. 59178 A/46-2 Edn d 6-12-46
" Memo " " -3 " "
From the C. of I., Dept. of Edn No. F-14-16(2)/46-E III(5) d 22-1-47
" DPI, No. 501-K2/46 d 21-3-47
" C.E. PWD (Genl Bldgs & D) No. 3414-Ad/46 d 14-3-47

(60)

With reference to the communications read above, sectional notes are put up. The file may be sent to Dev., PWD (Dis) and Fin. Depts for remarks on proposals II and III on pp 3-5 of the sectional notes, prior to circulation.

Edn U.O. 59178-A/46-5
5-5-47

ES 3-5-47 3-5-47 S/

Dev.
PWD
Fin.

UNDER SECRETARY
6 MAY 1947
DEVELOPMENT DEPARTMENT

Dev. Dept

Dev. 42409 Ag/47
6.5.47

To U.S.

Previous notes of this dept on pp 8-9 above may be perused.

It is seen from the report at pp 43-45 of that the Jt. Secy. has also been consulted regarding the constitution of the Standing Advisory Board of Tech. Edn and that he has agreed to the proposal.

Rm p 43-47

The views of this dept. at p 47 of sectional notes below are for approval.

After approval, the case may be passed on to P.W.D.

DS 9.5.47 AM 9.5.47 J.S. 10/5

Dev. U.O. No. 42409 Dt/47-1
10.5.47

P.W.D (Dis)

To S.A.C. This Dept's previous notes at pp 11-12 above.

To S.D.C. E.P.H. Dev Depts note above may be perused.

SECRETARY TO GOVERNMENT
15 MAY 1947
7142

2. This file has been sent to this Dept. w.r.t. the proposal III on p. 5 of. The Collr. of Vizagapatam Dist. reports that the RAF site proposed for the location of Engineering College, Vizag. is not available for disposal as the Director General of Civil Aviation proposes to acquire it for his purposes. A copy of the Collr's letter No. 7469-47 R.4 dt. 12.5.47 is said to have been sent to the Secy. E&PH Dept. Relevant extract of the letter is added to p. 91 of.

As E&PH wants this file very urgently, this may be ~~returned~~ returned to them with the request to send this file again later when time [illegible], for the remarks of this Dept ~~Govt.~~

For Hon. 20/5/47 20/5(a).

26/5/47

D.S. 20/5 / E&PH E & P.H.(A)

59178

Pl. see 'A' above. The file may now be sent to PWD/Fin. for urgent remarks as ordered by Secy.

PWD. U.O. 7142 (Dis)/47
20.5.47.

E.S. 27-5 27/5/47

28-5-47. P.W.D.

E&PH U.O. 59178 A-6/46

P.W.D. (Dis).

Works Department 9 MAY 1947

To S.A.C.

This Dept. previous note above & the E&PH Dept note above may be perused.

2. The notes of this Dept. [illegible] to the Sectional notes below and submitted for approval.

After approval, the file may be passed on to Finance Department.

P.W.D. D. U.O. No. 7315/Dis/47
4-6-47.

34186 6 JUN 1947

21/6/47

D.S.

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(61) 122

Finance (D.S.R)

The file has been sent to this dept. for remarks on proposals II & III on pp 3-7 of the sectional notes. The notes of this dept. have been added to the sectional notes below [pp 4 & 7].

18 JUN 1947

48920

7.6 17/6/47

C&K 10.6.47

DS

Thro' E.P.C.

Fin. U.O. 34186
11/6/47

11/6

E-PH (A)

The notes of PWD (Dis) and Fin. from p 11 ante may be perused. Further notes of this Dept have been added to on pp 4-A and 7-8 of the Sectional notes. The additions are for approval.

Orders may now be obtained in Circulation on this Dept's proposals [illegible] in the sectional notes.

I have written

14-6-47 16/6/47

17-6-47

S 18/6/47

H.M. (Ed.)
H.M. (P.W.)
H.M. (F)
H.M. (Fin.)

20/6

Certain proposals with regard to the composition of this Committee were received from H.M.(Public Works. Those may be put up before we come to a decision.

TSB
25-6-47

20 JUN 1947 Government of Madras

Pl. see H.M.'s minute above. Relevant extracts from the C.F. and of the proposals referred to by H.M. are put up.

[illegible] H.M. (Ed.)

at Flag (A).

A letter since recd from the DPI on the subject of reduction of Engg. course from 4 to 3 years, is added to CF (p 93). In the circumstances reported by him, the question of reduction of the duration of courses of study may be deferred as recommended by the Director at A on p 93 CF. With ref. to the DPI's letter on p 95 CF further notes have been added to the Sectional note on pp 8-9. The [illegible] of proposal. The file may now be circulated to H.M (Edn), H.M (PW), H.M (G), and H.M (Fin) as already marked.

ES 27.6.47

28/6/47

30/6/47

S 4/7/47

T.S.A. 8-7-47

H.M. (Edn.) ✓

H.M. (P.W.) ✓

H.M. (G.) T.S.A. 9/7

H.M. (Fin.) ✓

B.G.R. 10.7.

11 JUL 1947
GOVERNMENT OF MADRAS

[illegible] see the orders in circulation on pages 1-2, 4(a) & (b) and 7 of the minute notes.

H.M. (Edn) has minuted that the following among other persons may be appointed members of the Standing Advisory Board of Tech. Edn.

(1) One Technical nominee of the Institution of Engrs, Madras Branch

(2) One Technical nominee of the Indian Institute of Science, Bangalore

(3) Three members of the Legislature two from the Assembly and one from the Council

(4) Six members to be nominated by Govt to represent [illegible] industry [illegible] public

The orders of H.M. (Edn) may be [illegible] ~~[illegible]~~ as to how the persons under items (3) and (4) may be selected.

As regards items (1) and (2) the Institution of

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(62) C S R 124/17 17

of Engineers (India), South India Centre and the Indian Institute of Science, Bangalore may be addressed.

Five drafts are subd. P.W.D., Dev and Fin may see before circulation.

16/7/47

16/7/47 S

16/7/47

P.W.D.
Dev.
Fin.

E.P.H. u.o. 59178-8/46A
dated 16.7.47

P.W.D. (Dis)

To P.S.C.

7712.
18.7.47.

Please E & P.H. note from p 16 above & the drafts below may be perused & the file passed on to Dev & Fin

22/7/47. 22/7/47.

23.7.47

Asst. D.S. | D.S. | S

24.7.47 25/7

Through D.S.

22.7.47.

70418 DI/47
25.7.47.

Dev.

Dev Dept

P.W.D. u.o. 7712 (DIS)/47-1
28.7.47

To U.S.

(Previous note of the dept at p 13 above)

Further note from p 13 above and the drafts [illegible] below may be perused and the file passed on to Fin dept. (On receipt of the copy of [illegible] the [illegible] Examination Board will have to be [illegible] E & P.H. may be requested to [illegible] previous note of this dept at pp 13 [illegible] for further note on the matter)

29.7.47

UNDER SECRETARY
28 JUL 1947
DEVELOPMENT DEPARTMENT

DY. SECRETARY TO GOVERNMENT
8 JUL 1947
45759
FINANCE DEPARTMENT

AM
30.7.47

Fin.

Dev u.o. No. 70418 DI/47-1
30.7.47

125

A

Fin. (C&R).

(Previous Finance note on p. 15 above)

E&PH note on ~~pages~~ 16-17 and the drafts may be perused and the case returned to E&PH [The rates of T.A. to be allowed to non-offl members who are not members of the legislature are as ~~[illegible]~~ indicated in the margin]

2.8.47 21/8/47

Ry fare 1½ [illegible] 1½
Mileage 0.6.0 0
D.A. [illegible] 6

6/8/47

E&PH
A

ASST. SECRETARY TO GOVERNMENT
5 AUG 1947
63129
EDUCATION AND PUBLIC HEALTH DEPT.

Finance No 45759-C&R
4.8.47

The rates of t.a. admissible to members of first class committees may be adopted. The file may be circulated to H.M. (Edn) with reference to A on page 16 ante.

(Draft amended)

6/8/47

8/8/47 S

11/8/47

H.M. (Edn.)

~~[illegible]~~

With regard to 1 and 2 in page 16 above, the Institution of Engineers (India), South India Centre, and the Institute of Science, Bangalore, may be addressed. | A

With regard to 3, it may be by election from the Legislative Assembly and Council on a motion that will be moved in the House by me. | B

With regard to 4, ~~I suppose~~ they will ~~have to~~ be nominated by the Minister for Education. | C

SECRETARY, EDN. AND P.H. DEPT.
1 AUG 1947
GOVERNMENT OF MADRAS

/SA
13.8.47

A above

Draft letter has already been subd. It may issue

B & C above.

Separate files will be started about these and subd.

See the linked files H.M. (Edn) has.

Extracts taken
23.8.47

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(63) 126 19

minuted that the Expert Committee may now be wound up. A para to this effect has been added to the draft order. Para 2 ~~of~~ in the draft memo to the D.P.I. may ~~[illegible]~~ now be deleted.

The drafts as amended may now issue

B

Drafts added

13/8/47

14/8/47 S

16/8/47

Issue to-day
19/8/47

Engg. Colleges - Expert Committee ~~Secretaryship~~ L.008 H(A)

(64) 128

C.N. 57624 A/47. From the DPI, No 1833-Kr/46 d 16-6-47.

Pl. see para 2 of DPI's letter on p10 CF, the minutes of H.M (Edn) on p3 NF and para 5 of the memo. on p12 CF of G.O No 1163 Edn d 7-6-47. The DPI has now reported that ~~while~~ he has no objection to Mr Viswanath continuing as Secy. of the Expert Committee, if the committee is to be dissolved soon, it would be more advantageous to have Dr. Rudra as Secy. of the Committee, if its dissolution is likely to take time. The reasons for the proposal are that Dr Rudra is a very Senior Officer and is in Madras.

(1)

It may be noted that the Expert committee, if ~~it~~ at all ~~it~~ is to be dissolved, will be dissolved only after the Constitution of the Standing Advisory Bd of Tech. Edn. The DPI has not specifically pointed out whether the Standing Advisory Bd should be in the place of the Expert Committee. In the main file re. to the Constitution of the Bd., this Dept. ~~have~~ has suggested a reference to the DPI on this point. The proposal for the constitution of the Bd has been supported by this Dept, Dev and Fin. Dept and the main file has been submitted in circulation to H.M (Edn) H.M (PW), H.M (9) and H.M (Fin.) on 19-6-47. If the proposal is approved in Circulati orders approving the Constitution of the Bd are likely to issue ~~with~~ [illegible] within a month, as a further (×) reference to the DPI, whether the Expert Committee will have to be dissolved or not, has to be ma

(×) This depends on the orders in circulation

~~For orders as to circulation to~~

~~H.M (Edn)~~ This may lie over till the file re: to the constitution of the Standing Advisory Committee is recd back from circulation

VR
24/6/47

S
26/6/47

21/6/47

Circulation has been interrupted in the main file referred to above as H.M (Edn) ~~wanted~~ has required certain papers to be put up wi

2/

to the proposals of H.M (PW) for the Composition of ~~the~~ a similar Committee. The relevant papers are put up and the file is resubmitted - vide Top File. This file may also be submitted to H.M (Edn) along with the main file for passing orders on the present letter of the DPI

ES 27-6-47

28/6/47

30/6/47

S 1/7/47

M. (Co.)

New that orders to constitute ~~the~~ a Standing Advisory Board of Technical Education are being issued, the Expert Committee may be wound up. In the new committee, Dr.Rudra, who is the Principal of the Guindy Engineering College, will be the Secretary.

[illegible]

ISA

13-8-47

Please see notes in the top file

13/8/47

14/8/47 S

16/8/47

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(65) 130

Sectional notes

I Technical Courses.

Please see the letter to the Govt of India on pages 31-32 c.f. The Government of India state that their technical experts are considering the question of collection of data of techinically trained men, their conditions of employment, demand for technical personnel, the capacity of existing institutions to provide recruits and other cognate matters and that the information will be furnished after their experts have reported. The further report promised by the Government of India may be awaited. They ~~Government of India~~, however advise against the starting of new courses in Aeronautical Engineering for the reasons stated in para 3 of the D.O. on page 35 c.f. An extract of

A | paras 2 to 4 of the D.O. may be communicated to the D.P.I. The Syndicate of the Andhra University has since passed a resolution that Marine and Aeronautical Engg. ~~College~~ should be started at the Vizag. Engg. College. For the reasons stated by the Government of India, the question of starting these courses has necessarily to be postponed. The

B | Registrar may be informed accordingly.

A & B may be done.

ES 3-5-47

3-5-47

S 1/5/47.

While A and B may be done, But it is also necessary that we must start these courses as soon as possible. In the New India that is to come, we are bound to have a lot of scope for Aeronautics and Naval Engineering and ~~this~~ any province which will provide for training in these courses will get the advantage when they are started and so, while ~~that~~ we may be postponed for the present, we must press upon the Government of India the necessity for our opening them as soon as possible.

TSA
8-7-47

II Standing Advisory Board of Tech. Edn.

In the memo on pages 33-34 c.f, the D.P.I. was asked to submit proposals for constituting a standing advisory board of technical education. He has forwarded with his remarks a copy of the letter of the Principal, Engg. College, Vizagapatam at Coconada, detailing the proposals for the constitution of the board. The personnel suggested and the terms of reference to be made to the board will be found on page 43-44 c.f. These proposals have been drawn up in consultation with the C.E.(Genl.), C.E.(Electricity) Joint Director of Industries and Mr. L. Subba Rao, the representative of the Andhra University on the Expert Committee. The proposals seem to call for the following remarks.

p 43-44 (54)

(1.) The D.P.I suggests that both the Director of Industries and the Joint Director of Industries need not be members of the board and that it is sufficient if one of them is appointed as a member of the board. The Director's suggestion may be accepted and the Joint Director of Industries may be appointed.

Say "the Director or the Joint Director" leaving it to the [illegible] to [illegible] either the other.

(2.) The D-P.I's suggestion that Dr. Rudra may be appointed as Secretary of the Board may be accepted. He may also be a member of the Board. It may be mentioned here that Mr. Visvanath has since been transferred as Principal, Engg. College, Coimbatore.

p 43 c.f.

(3.) It has been suggested that 2 Technical members of the legislature may be appointed as members of the board. The suggestion may be accepted. Perhaps one member may be from the Assembly and the other from the Council. ~~For~~ HM's orders may be taken as to the persons to be appointed as members of the Board.

(4.) The Board may also perform the function referred to at A on page 31 c.f.-C.F. the Secretary's note on page 6 ~~ante~~ N.F.

P

(5.) If the ~~[illegible] are~~ constitution is approved, the ~~[illegible]~~

F. 1/37

Associations and Universities will be asked to nominate their representatives.
~~of the non-official members will have to be obtained.~~
The D.P.I. may be requested to ~~obtain this consent~~ take necessary steps.

6) The non-official members may be paid T.A. and D.A. at rates admissible to members of the expert Committee.

7) It would seem from 'P' on page 43 C.f. that with the formation of the proposed Advisory Committee, the Expert Committee constituted in G.O.1213 Edn.dated 18-6-46 should cease to function. For orders whether the D.P.I. may be consulted on this point also.

ES
3-5-47

3-5-47

S

5/5/47

Dev. Dept.

To H.S.

This dept may agree to the suggestion of See. E & PH at M on p 3 above.

No other remarks are called for on the proposal.

AM

9.5.47

AM
9.5.47

Finance (C.S.R.)

Item (6) above: Members of the Legislature may be allowed the T.A to which they are eligible when they attend meetings of the Legislature. The other non-official members may be granted 1½ 1st class railway fare, mileage as. 4 and daily allowance Rs 7-8-0.

Item (7) above: Apparently the Expert committee constituted in G.O.1213 Edn./18-6-46 will cease to function. E.P.H however propose to consult the D.P.I on the point.

Orders had better issue subsequently as this after orders are passed on the general file on rates of T.A. for non-officials Committee.

---

(67) 134 4 A

E & PH (A)

Pl. see the notes of Dev and Fin. on p 4 above. The suggestion of Fin. D.S. at 'A' on p 4 above may be accepted.

S

16/6/47

ES
14-6-47

17-6-47

16/6/47

I have seen the constitution as suggested by the D.P.I. H.M. (P.W.) has suggested certain changes. He is of opinion that the Minister for Education should be Chairman and himself also a member. I think it will be good for the Ministers to be associated with the Committee because while that will keep them in touch with the educational institutions; the Committee will also have the strength of having the Ministers concerned in the Committee and so, I propose that the Standing Advisory Board of Technical Education may be constituted as follows:--

1 H.M. Education, Chairman.

1 Members: H.M. Public Works

1 D.P.I.

4 Four Chief Engineers: (General, Electricity, Highways and Irrigation).

3 The Principals of the three Engineering Colleges, (Guindy, Coimbatore and Vizagapatam).
(Prof. Rudra - Principal of the Guindy Engg. College to be the Secretary

1 The Director or the Joint Director of Industries.

1 One Technical Representative of the Institute of Engineers, Madras Province.

3 Three representatives of the Universities (one from each of the Madras, Andhra and Annamalai Universities).

1 One Technical Nominee of the Indian Institute of Science, Bangalore.

3 Three members of the legislature ~~preferably having technical knowledge~~ - two from the Assembly and one from the Council.

2 Chief Engineers of the two railways (M. & S. M and S.I.Ry.).

6 Six ~~Four~~ members to be nominated by Govt to represent various Industries & the Public

17

The work of the Committee may be as follows:--

1. To advise Government on all matters of technical and technological education of all types including University Standard type Diploma, Standard Type and Artisan Standard Type, on a properly co-ordinated basis to meet the requirements and

4(b) 135

~~and developments of this province~~ and India as a [illegible]

2. To examine the technical and technological [illegible] of this province in all its aspects and make recommendations with a view to reorganise it on a basis that will make it more useful to the province, more efficient and more up-to-date.

TSA
8-7-47

III Buildings and equipment for the Engg. College, Vizagapatam.

(68) 186

p41cf

The D.P.I. has ~~also~~ submitted a proposal for acquiring the R.A.F. site situated about 4 miles from Vizagapatam for the permanent location of the Engg. College. The suitability of the site for the College is explained in the Principals letter, a copy of which is on pages 44-45 c.f. The C.E. (P.W.D.-GL.) has also approved of the scheme, vide his letter on page 45 c.f. In a subsequent communication received from the C.E., he has forwarded the minutes of the Expert Committee meeting held on 8-2-47. Attention is, in this connection, invited to the proceedings of the meeting held on 14-9-46. One of the items resolved at that meeting was to approve d details for the permanent buildings for the Engg. College, Vizagapatam-vide resolution I on page 55 c.f. It will be seen from the details of the buildings shown on pages 57-63 c.f. that the intention seems to be to erect pucca buildings for the College, Workshops etc. In the Principal's proposals for acquiring the R.A.F. site, he has stated that permanent military constructions are available about four miles from Vizagapatam for use as Hostel, Quarters etc. Some of these items find a place in the estimate considered by the expert committee-vide page 61 c.f. If the R.A.F. site becomes available, there will be no need to construct all the buildings suggested by the Committee. The D.P.I. may be asked ~~[illegible] Committee~~ to revise this (its) proposals in the light of the proposal to acquire the R.A.F. site. The Director may also be asked to offer his remarks on the other resolutions now forwarded by the C.E. (pages 51-53 c.f.) with a covering letter about the deputation of an officer abroad for the procurement of equipment. ~~finance~~

~~The file may be sent to the Development, Public (Disposal) and Finance Departments for remarks on paras II and III above prior to circulation.~~

p47cf

pages 51-53cf

p55cf

p44-45cf

p47cf

3-5-47

S

3-5-47

5/5/47

137/

To S.A.C.

[illegible] proposal [illegible] for acquiring the R.A.F. Site Vizagm. from p 5 above may be [illegible]

2/. The Collr of Vizagapatam has since reported that the Director General of Civil Aviation has decided to acquire for his purposes the buildings and the Area which ~~were under~~ are proposed contemplation to be taken over for the purpose of locating the Engineering College (together with the R.A.F. site, Vizagapatam,) In the light of the Collr's report above, the proposal to take over the site marked for the purpose of the Eng. College is not likely to materialise.

p 91 C

~~This Dept may suggest that the D.P.I. be addressed on the Collr's report at p 91 C.~~

In view of the Collr's report the R A F site has to be given up altogether and as suggested by the Collr himself a fresh site has to be selected now. So E.P.H. may now be advised to take action on these lines in consultation with the Collr

vide portion at p (28) C-9

8/5/47

2/5/47

Finance (Expr)

Please see the notes in pp 5-6 above.

2. The case relates to the construction of permanent buildings for the Engineering College, [Vizagapatam

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(69) 138

Vizagapatam, which is at present temporarily located at Cocanada — please see in this connection the recommendation of the Expert Committee at A in p 3 C.F. and the minutes of the meeting of the Committee on 5 I C.F. — The Collector of Vizagapatam has now reported that the R.A.F. site, along with the buildings on it, situated about four miles from Vizagapatam, which was originally proposed by him for the construction of buildings for the Engineering College is not available for the purpose and that a fresh site will have to be selected now.

A in p 3 C.F.

p 91 C.F.

3. Pending formulation of concrete proposals for the acquisition of a site and constructing buildings thereon, with an approximate estimate of the cost involved, no remarks seem called for in Finance. E.P.H. will no doubt let this Dept see the file again when a fresh site is selected ~~and before action is proposed to acquire site or~~ for construction of the buildings in question.

4. With the above remarks, the case may be returned to E.P.H.

10/6/47

9/6/47 10.6.47

10/6/47

11/6/47

E&PH(A)

M.H. Pl. see the notes of this Dept, PWD (Dis) and Fin. from p 5 ante. ~~It may be noted that after a considerable delay~~ the R.A.F site was suggested by the Director for the location of the College. It may not be easy to secure any other place in Vizagapatam for the permanent location of the College. The Collr. of Vizagapatam himself admits that the ~~RAF site was selected~~ question of selecting a site for the College has been engaging the attention of the Govt. for over two years. ~~(ever since the opening of the coll~~ In view of this, it seems that any other site will ~~not~~ be available in the near future. In another connection, the

N on p 91 C.F.

Principal of the College has proposed addl. tempy accommodation for the College in the Combined Military Hospital bldgs at Cocanada where it is now located, on the presumption that the College will have to remain at Cocanada at least for another 4 years due to lack of accommodation in Vizagapatam. If the permanent location of the College were to be postponed at every stage like this, it may even happen that the College will have to be located permanently at Cocanada. In the circumstances, an attempt should at least be made to secure the R.A.F site for the use of the College by addressing the Defence Dept G. of I. Such a procedure is not without any precedent. In the case of the Burma Evacuees camp on the Forest College bldgs Estate in Coimbatore which is reqd for the ~~to~~ tempy location of the Engg. College, the Hon'ble Pandit Jawaharlal Nehru, Member, Commonwealth Relations Dept. G. of I has been addressed by H.M (Edn) for release of the bldgs against the demands of the Mil. authorities. In the present case also, H.M (Edn) may address the Member of in charge of Defence, G. of I. [illegible]

ES 16/6/47 [illegible] 17/6/47 S

The two cases are not on all fours. In the former case the bldgs were wanted in the whole area permanently for their own purposes. In the face of the Cabinet Cttee report [illegible] the Committee [illegible] this [illegible] for the final [illegible] for the selection of a fresh site.

WAO

In a letter since recd from (p.140) the DPI (p95 cf) he reports that the R.A.F site with the bldgs have been occupied by the Director-General, Civil Aviation and that it will not be available for the Engg. College. In view of this, he enquires whether there is any possibility of re-allotting the

site for the College or whether the alternative proposals suggested by the Principal may be examined and submitted to Govt. Pl. see, in this connection Secy's remarks on the previous page. The DPI may be asked to examine and submit to Govt, the alternative proposals referred to by him.

ES 27-6-47

28/6/47

30/6/47

S

7/7/47.

Now that the Government of India themselves want the R.A.F. site which we propose to acquire, we may definitely presume that we would not be able to get that site. In these circumstances, we have no other way except to look up other sites. That may be done.

TSA 8.7.47

57469 A/45 Extracts from [illegible]

Copy of D.O. dated 27th November 1946 from M.Bhaktavatsalam to the Hon'ble Sri T.S.Avanashilingam Chettiar, Minister for Education, Fort St.George, Madras.

For considering the revision for the courses of study in the Engineering Colleges, I would suggest to you to convene a Conference on the following lines:

(1) The Conference may consist of the following:-

The Hon'ble Minister for Education (Chairman)
The Hon'ble Minister for Public Works
The Director of Public Instruction
The Chief Engineer, General
The Special Chief Engineer for Irrigation
The Chief Engineer for Irrigation
The Chief Engineer for Highways
The Chief Engineer for Electricity
The Principals of Engineering Colleges
The Chief Engineers in the M. & S.M. and S.I. Rys.
Secretary to Govt., E.& P.H.Deptt.
Secretary to Govt., P.W.Deptt.

(2) This Conference may have a preliminary sitting in the first week of January when the agenda can be drawn.

(3) The Conference may finally sit and settle the courses of study sometime in the third week of January.

You may fix the dates and convene the meeting so as to give sufficient notice to the members attending the Conference. You may include in the list of invitees such others as you may deem fit.

Copy of letter from Principal, College of Engineering, Cocanada Ref.N.C.No.830/46 dated 10-12-46 to the Secretary to Government, Education and Public Health, Government of Madras, Madras through the Director of Public Instruction, Madras

I notice from the press reports that Government of Madras are contemplating the appointment of another Expert Committee for revising the courses of study of the Engineering Colleges. In this connection I wish to draw your attention to Government G.O.No.Ms.1230 Edn. dated 18th June 1946, wherein it will be seen that an Expert Committee has already been appointed whose terms of reference cover the revision of ~~xxx~~course of studies. It is desirable in the interest of unified effort and co-ordination that a single Expert Committee should be allotted to consider all aspects of Engineering Education instead of a number of different committees with overlaping terms of reference, considering different aspects of Engineering Education piecemeal.

I wish to further draw your attention to the recommendations already made by the Expert Committee-vide letter from Cheif Engineer dated 10-8-46, with copy of recommendations--where certain decision regarding shortening of the courses of studies has been suggested. Under the circumstances, I request Government may reconsider their decision for appointing another Expert Committee instead of implementing the recommendations already made by the existing Expert Committee.

Copy of Memorandum No.59178 A/46-4 Edn. dated 25th January 1947 to the Director of Public Instruction.

Sub: Colleges - Engineering - Constitution of a Standing Advisory Board of Technical Education.
Ref: Government Memo.No.59178A/46-3 Edn. dated 6.12.46.

The attention of the Director of Public Instruction is invited to the Government Memorandum cited and he is requested to expedite the submission of his report regarding the constitution of a Standing Advisory Board of Technical Education.

Copy of letter from Chief Engineer, P.W.D. (General, Buildings and Defence) No.3414 Ad/46-10 dated 6th January 1947, to the Secretary to Government, Education and Public Health Department.

It was reported in the Hindu dated 7-12-46 that the Government would shortly appoint a Committee consisting of Engineering Experts, both official and non-official to consider the re-organisation of the course of studies in the Government Engineering Colleges and their co-ordination - vide press cutting enclosed. I request to be informed whether there is any truth in the statement. I may point out herethat the subjects referred to are more or less the same as those left for the consideration of the Expert Committee constituted in G.O.No.1213 Edn., dated 18-6-46 with the Chief Engineer (G.B. & D.) as the Chairman. In fact the question of co-ordinating the work in all the Colleges and allocating different specialised branches of study among the various Engineering Colleges came up for consideration even in the informal meeting held on 12-6-46. If there is any truth in the report contained in the Press Cutting, I request to be enlightened as to what subjects are proposed to be referred to the new.

Encl: Press Cutting.

COURSE OF STUDIES IN ENGINEERING
Madras, Dec.6.

The Government, it is understood, will appoint a Committee shortl to consider the reorganisation of the course of studies in the Government Engineering Colleges and their co-ordination.

Engineering experts both in Government service and outside may be invited to serve on the Committee.

Copy of Memorandum No.54467 A/45-6 Edn. dated 7-2-47 to the Chief Engineer Public Works Department (General Buildings and Defence).

Sub: Committee for Technical Education.
Ref: From the Chief Engineer, Public Works Department (Genera Buildings and Defence) No.3414 Ad/46-4- dated 6.1.47.

The Chief Engineer, Public Works Department (General Buildings and Defence) is informed that the Government are considering only the recommendation of the Expert Committee for constituting a Standing Advisory Board of Technical Education

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Notes

Secretary, E. & P.H.

Please see herewith a representation that I have received from H.M.(P.W.) that a Conference suggested by him in it for the purpose of considering the revision of the courses of study in the Engineering Colleges. The necessary steps may be taken in the matter.

(72)

T.S.A.
5-12-46
H.M. Edn.

The Vice Chancellors of the three Universities and the Principals of the three Engineering Colleges (Dr.Rudra, Prof.Viswanatha and Prof.K.Sitaraman) have made certain suggestions for the re-organisation of the courses of studies in the Engineering Colleges with special reference to the provision made for the practical training, the suggestions have been referred to the D.P.I. for remarks. Further, the Govt. have appointed an Expert Committee in G.O.No.1213 Edn., dated 18-6-46, to advise them, among others, on the specialised courses of studies to be provided in the Vizagapatam Engineering College (now at Cocanada) and the Engineering College, Ceded Districts, (now at Guindy), account being taken of the courses of studies in the existing Engineering Colleges. The following persons mentioned in the D.O. of H.M.(P.W.) are also, among others, members of the Committee.

K

The Chief Engineers, (General), (Irrigation), (Highways),
(Electricity) and M.& S.M.Railway

The Principal, Engg.College, Guindy,
Vizagapatam College, Cocanada

This Committee has already met and sent a report where it has recommended, among other matters, that the duration of degree courses in Engineering should be reduced from 4 to 3 years without lowering the standards and that post-graduate courses in different branches of Engineering should be organised. The D.P.I. has been asked to consult the Universities in the matter. The Committee has also recommended the setting up of a Standing Advisory Board of for Technical Education. The Committee has also made recommendations on the points referred to at K above which are being dealt with in the L.F. The Director's proposals have been called for.

The Expert Committee has not been asked specifically to examine the syllabuses of courses of studies in Engineering Colleges. First of all, syllabuses for courses of studies leading to a degree are to be drawn up by the Universities concerned. The Govt. can only make recommendations to the Universities. If it is considered that the syllabuses require revision and that Govt. should take intiative in the matter, it is for orders whether the subject may be made one of the terms of reference to the Expert Committee already appointed or whether the matter may be referred to the proposed Standing Advisory Board for Technical Education after it is constituted. If, however, a separate committeee should be set up, as proposed by H.M.(P.W.) and H.M.(Edn.) orders are solicited as to the scope of the work to be entrusted to that Committee, so that there may be no over-lapping or duplication of work seeing that an Expert Committee is already functioning (L.F.)

For orders as to circulation.

B.M.
16-12-46.

M.V.S.
19-12-46
H.M.(Edn.)
H.M.(P.W.)

H.M.P.W. may give his opinion in the matter and on getting it may be resubmitted.

T.S.A.
21-12-46.

I think that a general discussion on these various points at the proposed meeting will be useful. After the preliminary meeting, it may be decided whether a separate Committee should be set up or not. But H.M.E. may decide as he thinks but

M.B.
23-12-46

P.T.O.

Nts

H.M.(Edn.) may, see with reference to the minute above.

B.M.
27-12-46

M.V.S.
4-1-47

H.M.(Edn.)

I understand that many of the persons suggested by H.M.(P.W.) will be members of the Committee that may be suggested by the D.P.I. also for the co-ordination of the Engineering Colleges. The D.P.I. may be asked to expedite the sending of those names for the formation of that Committee.

T.S.R.
21-1-47

Please see the minutes of H.M.(Edn.) from p. 2 ante. H.M. apparently refers to the constitution of the Standing Advisory Board of Tech. Edn., recommended by the Expert Committee. Proposals for the constitution of the Bd. have been called for from the D.P.I. and they are still awaited. The Director may be asked to expedite his reply in the matter. A draft memo, is submitted.

B.M.
24-1-47

M.V.S.
25-1-47

Issued as Memo No.59178 A/46-4/dated 25/1.47
From the Chief Engineer P.W.D. No.3414 Ad/46-10 dated 6.1.47.

The Committee referred to in the letter of the Chief Engineer P.W.D. (G.B. & D.) on page 25 c.f. is apparently the committee which H.M.(P.W.) wanted to set up. Vide Page 17 c.f., It has since been decided that this committee need not be constituted in view of recommendations of the Expert Committee to appoint Standing Advisory Board of Techl. Edn.

A draft memo to the Chief Engineer is submitted. After issue the file may perhaps be circulated to H.M.(P.W.) for perusal of H.M. Edn.'s minute on pages 2-3- above.

B.M.
7-2-47

M.V.S.
7-2-47
H.M.(P.W.)

M.B.
8-2-47.

No.N.C. /46.

A

College of Engineering, G
Dated 13th June, 1946

146

73

From

Prof.A.Viswanath, M.Sc., Eng.(Lond).,A.C.G.I.,D.I.C.,M.I.E.,
Organising Principal for Vizagapatam and Anantapur
Engineering Colleges,
College of Engineering,
GUINDY.

ASST. SECRETARY TO GOVERNMENT
15 JUN 1946
EDUCATION AND PUBLIC HEALTH DEPT.

the Director of Public Instruction,
MADRAS.

31769

Sir,

An informal meeting of the following members of the Expert Committee (to be constituted) for working out details of the two new Engineering Colleges was held on June 12th at the Office of the Chief Engineer, Public Works Department, to consider the Part I proposals already submitted by me.

1. R.McIntosh Esq., M.B.E., Chief Engineer (Buildings and Defence) (Chairman).
2. Rao Bahadur A.R.Venkatachari Esq., Chief Engineer (General and Irrigation).
3. W.H.Turner Esq., Chief Engineer (Communications)
4. Rao Bahadur G.Sundaram, Chief Engineer for Electricity.
5. Mr. Berry, Chief Engineer, M.&.S.M.Railway.
6. Dewan Bahadur Sri A.V.Ramalinga Ayyar, Retired Chief Engineer to Government of Madras.
7. Mr. S.Govindarajulu, nominee of the Syndicate of the University of Madras.
8. S.Nagabhushanam Esq., Asst.Harbour Engineer, Madras.
9. Prof.K.Sitaraman, Principal, College of Engineering, Guindy.
10. Prof. A.Viswanath, Organising Principal - Convener.

A summary of the recommendations ~~xxx~~ is enclosed. Formal orders constituting the Committee with the Terms of Reference as indicated, are awaited for the formulations of details for the establishment of the new Colleges permanently co-ordinated with existing Engineering Colleges.

Encl

I have the honour to be,
Sir,
Your most obedient servant,
A Visnath
ORGANISING PRINCIPAL.

Copy to
1. The Industrial Adviser to the Government of Madras, Madras.
✓2. The Secretary to the Govt. of Madras, Department of Education, Madras.

EPH(A)

98/18/6

R: Memo. No. 31769 A/46-1 Edn dt 18-6-46

Summary of recommendations of the Expert Committee.

Ref. From the Organising Principal, No. N.C 9/46 dt 13-6-46

The DPI is requested to ~~forward~~ examine ~~to Govt his remarks on~~ the several recommendations made by the Expert Committee at its informal meeting held on 12-6-46 and submit his ~~[illegible]~~ proposals at an early date.

8/17-6-46

BM 17/6/46

TSR 17/6/46

Despd. to The DPI 19/6/46

Resolution No. and subject.	Recommendations of the D.P.I.	Recommendations of Edn and P.H.	P.W.D.	Development	Finance.
1. Provincial and Central Govt's requirements of Specialists should be assessed before specialised courses are introduced.	Agrees generally ~~with~~ and suggests that as regards Aeronautical course, the Director-General of Civil Aviation may be consulted.	To allot the work of assessment & survey of the specialised courses to be introduced in the difft. colleges and the no. of seats to be provided for each - to the Standing Advisory Bd. contemplated in Resolution V. To address G. of I. for their requirements, meantime.	No remarks.	No remarks.	No remarks.
II. Highway Engineering to be introduced in Vizag. college ~~also~~ Aeronautical Engineering to be introduced in the Guindy Engineering College.	Is against the duplication of Highway Engr. course in the Cocanada and the Guindy colleges and recommends that Marine and Aeronautical Engg. ~~are originally contemplated.~~ may be introduced in the Cocanada College as originally contemplated	Highway Engineering need not be duplicated. Aeronautical and Marine Engineering be introduced in Vizag. Engr. college.	Provision to be made for Highway Engineering in the Vizag. Engr. college also tentatively and if the response is not adequate, the further continuance of the course to be reviewed.	No remarks.	No remarks.
III. Pro. Viswanath or any other suitable officer to be deputed abroad for the purchase of necessary equipment for the new colleges ~~and~~ for gathering advanced information in Engg. science.	The question may be postponed.	The question of deputation of an officer abroad may be postponed.	No remarks.	No remarks.	No remarks
IV. To reduce the duration of engg. course from 4 to 3yrs. and to organise specialised post graduate courses in branches like Aeronautics, Highway Engr. etc.	Not in favour of reducing the course from 4 to 3 years. No remarks on other points.	D.P.I. may be asked to consult the University and report further.	No objection to reduce the period of course from 4 to 3yrs provided there is provision for practical training ~~[illegible]~~ within the reduced period.	No remarks.	No remarks.
V. Constitution of a Standing Advisory Board of Technical Education.	Recommends the constitution of the board.	D.P.I. may be asked to send necessary proposals.	No remarks.	D. of I &C to be consulted.	No remarks.
VI. T.A. to Non-official members of the Expert Committee to be raised from 1 first class fare to ~~[illegible]~~ 1 3/4 first class fare.	Refers to previous recommendations on the subject.	Being considered separately.	No remarks	No remarks.	No remarks.

From the Government of India, Department of Education,
No. F. 6-3/46- P. dated 8.10.46.

Five year plan on education.

.....

I am directed to convey the following remarks on the draft Five- Year Plan on Education of your Province which is presumably under revision.

2. In modifying the plan, I am, however, to suggest that the attention might be paid to the suggestion of the Development Board conveyed to you in their letter No.4/ RC - 46- M 46-Madras of 31st July,1946 regarding the reduction of total expenditure, in particular the recurring expenditure on Education.

3. The Director - General of Civil Aviation is of the opinion that the proposal of your Government to start a college of Aeronautical Engineering is premature under the present conditions of Aeronautical Industry and Civil Aviation in India. The establishment of an additional Engineering College may also be postponed, as already there are four Colleges in the Province.

4. I am also to invite your attention to this Department ~~katx~~ letters No.F. 114-1/44- E., dated the 30th November, 1944, No.F. 20-16/46-P, dated the 1st August, 1946 and No.D. 2331 (c)45-E, dated the 27th September, 1945, the last two dealing with the question of Schools Buildings and Training of Ex-service Personnel respectively.

Copy of letter from the Government of India, Department of Education, No.F. 6-3/46- P. dated 8.10.1946.

Sub. Five year plan of education.

I am desired to convey the following remarks on the draft Five-year Plan on Education of your Province which is presumably under revision.

2 In modifying the Plan, I am, however, to suggest that due attention might be paid to the suggestion of the Development Board conveyed to you in their letter No. 4/RC- 46 - Madras of 31st July, 1946 regarding the reduction of total expenditure, in particular the recurring expenditure on Education.

3. The Director-General of Civil Aviation is of the opinion that the proposal of your Government to start a college of Aeronautical Engineering is premature under the present conditions of Aeronautical Industry and Civil Aviation in India. The establishment of an additional Engineering College may also be postponed, as already there are four Colleges in the Province.

4. I am also to invite your attention to this Department letters No.F. 114-1/44- E, dated the 30th November, 1944, No.F. 20-16/46- P, dated the 1st August, 1946 and No. D 2331(c) 45-E, dated the 27th September, 1945, the last two dealing with the question of Schools buildings and Training of Ex-service Personnel respectively.

Telephonic Message by post dated 20-11-1946.

From The Personal Asst to
The Director of Public Instruction,
Madras.

To
The Asst. Secretary to Government,
Education and Public Health Department, Madras.

Sub:- Post War Reconstruction - Exppenditure in 1946-47
and 1947-48 - Your Telephonic Message, dated 20-11-1946

The particulars are furnished below:---

	1946-47		1947-48.	
	Recurring Rs.	Non-Recurring Rs.	Recurring Rs.	Non-Recurring Rs.
1. Muslim College for Women.	26,280	1,02,750	46,848	26,350
2. Muslim College, Madras	13,324	1,89,800	26,418	13,100
3. Government College, Coimbatore.	13,346	13,300	28,896	2,000
4. Arthur Hope College of Technology, Coimbatore	1,19,400	4,36,000	2,21,000	6,51,200
5. Engineering College, Anantapur	20,000	4,000	58,000	14,29,600
6. Engineering College, Cocanada	75,000	1,50,000	1,25,000	2,50,000
7. Loyolla College, Madras Building scheme)				2,50,000

As regards the building schemes, the expenditure thereon is controlled by the Chief Engineer and there is no information in this office as to what will be the expenditure during 1946-47 and 1947-48. A report to this effect was already sent to Government vide my letter 7296 B4/46, dated 8-10-1946.

P.A ~~for~~ to Director of Public Instruction

m.k.20/11.

VK A

Education Department.

From

Dr. S. R. U. Savoor, M.A., D.Sc., I.E.S.,
Director of Public Instruction, Madras

To

The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, Madras.

ASST. SECRETARY TO GOVERNMENT
4 SEP 1947 GIR
70439
EDUCATION AND PUBLIC HEALTH DEPT.

R.O.C.No. 501-K2/46 dated 29th August, 1947.

Technical Education - Standing Advisory Board - Constitution.
Reference:-G.O.No. 1829-Education dated 19.8.1947.

With reference to paragraph 4 of the above Order, I have the honour to enclose herewith a copy of letter dated 24th August 1947 from the Principal, College of Engineering, Guindy. I suggest that after the Sub-Committee has come to definite conclusions, their resolutions may be placed before the Expert Committee for their final approval.

I have the honour to be,
Sir,
Your most obedient servant,

R. Naraindas

For Director of Public Instruction.

ks.2.9.

Sd/- 2/9

Enclosure.

Copy of letter dated 24th August 1947 from the Principal, College of Engineering, Guindy to the Director of Public Instruction, Madras.

I understand from the daily papers that the Government have created an Advisory Board of Technical Education and have dissolved the Expert Committee for Engineering Colleges. I presume that official orders relating to this will follow in due course.

It had been suggested by you to the Expert Committee that experienced members of staff may be added to the Sub Committee which had already been appointed to draft proposals with regard to building, staff and equipment for the new Engineering Colleges. The Expert Committee, however, appointed a fresh sub-committee comprising the following:- Dr.J.J.Rudra (Convener), Messrs. A.Viswanath, V.H. Sadarangani, S.Paul, Sukumaran, N.S. Krishnaswamy Iyengar, T.N. Muthuswamy, B.S.Srikantan, A.Ramamurthy and the Consulting Architect to the Government.

The terms of reference to the Committee were to draft proposals for buildings, staff, equipment etc., for the departments of Civil, Mechanical and Electrical Engineering and Physics, Chemistry and Geology which were to be common to all the colleges.

The Sub Committee held its first meeting on 2.8.1947 and has been holding its meeting since 22nd August and may continue until the 25th August 1947. I expect that it may have to meet again after a fortnight or so to complete its work.

In my opinion, the Sub-Committee is doing very good work and will place at the disposal of the Government consolidated proposals for the departments common to all the Colleges. So far, there has been a great measure of unanimity in its xm proposals, although there have been differences of opinion in certain proposals. It is therefore very desirable that the Committee should continue its work.

(P.T.O.)

15

: 2 :

However, the Sub-Committee was appointed by the Expert Committee, and with the dissolution of the Expert Committee, the Sub-Committee gets automatically dissolved. In view of the important and useful work that the committee is doing, I request that it may be permitted to continue its work as a Sub-Committee to assist you.

/True copy/.

R. Harasinher

FOR DIRECTOR OF PUBLIC INSTRUCTION.

s.2.9.

Sol
4/9

Edn and P H Dept

Memo No. 70439-1/47 A. Edn. d. 11-9-47

Technical Edn. – Standing Advisory Board – constitution continuation of expert Committ

Ref letter from the D.P.I
No: 501 K2/46 d. 29.8.47

—

The D.P.I is informed that the Sub-Committee alone may be continued and asked to submit its report, which may be placed before Standing Advisory Board for Tech. Edn.

V
12/9

Despd
13/9

10/9/47

11-9-47

To the D.P.I.

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79 158

E.P.H.(A)

Sub: Technical Education – Standing Advisory Board Constitution – continuation of Expert committee.

(x) Read: G.O. 1829 Edn dated 19.8.47.

pl 2 cf C. no. 70439 from the D.P.I. No. 501-K2/46 dated 29.8.47

Please see the letter of the Principal Engg. college, Guindy to the D.P.I., and the Director's remarks thereon in the c.f.

para 4 on (x)/2 The Expert Committee for Engg. colleges was ~~advised to cease to function~~ dissolved, at the instance of H.M. (Edn), from the date of the order at (x). It is now for consideration whether, in the circumstances

pl-2 c.f. stated by the Principal, Engg. college, Guindy, the Expert Committee may be continued.

The file may be circulated to H.M. (Edn) for orders.

4.9.47

4/9/47

5/9/47

The Principal of [illegible] wants the Sub-Committee to be enabled to function. I do not [illegible] the DPI wants the Expert Committee [illegible] to continue. The Sub-Committee may be allowed to function. Its proposals may in due course be placed before the Advisory Board of Technical Edn.

6/9/47

8460
6/9

H.M. (Edn)

The Sub Committee alone may be continued & asked to submit its report, which will be put up before the new Committee

TSA
7-9-47

9 - SEP 1947
GOVERNMENT OF MADRAS

A draft memo is subd. on page 2 cf

10/9/47

11-9-47