(113) [illegible]

Edn and P H (1947) Dept

(Edn)

18

G.O. No: 2297 (Mis)

30.10.1947

College – Eng: Guindy – Opening of an overseers course and gradual abolition of the L.C.E course – orders passed –

2B Ⓝ

Very urgent-

Edn and P.H. Dept

Memo No. 58770-2/47A Edn d- 24-7-47

Training of Subordinate Engineering Staff

(N —

B on p 1 nf

Side HM (P.W)? minute on p 1 nf

It has been pointed out that adequate arrangements do not exist at present in the Govt. Eng: Colleges for the training of the large number of Subordinate Eng: Staff such as Supervisors, overseers, draughtsmen &c. required to assist the Engineers in their work. It has ~~been~~ also been pointed out that the P.W.D is in need of 500 supervisors for its different sections for the several schemes and projects they have taken up and that they have been able to secure only 160 including the raw graduates

2

from the Eng. Colleges. The D.P.I is requested to submit proposals very urgently in consultation with the C.E.(G, B & D) to train 300 lower subordinates and 200 upper subordinates on a short term course.

18/7/47

18/7/47

21/7/47.

H.P.M.'s

To
The D.P.I.
" C.E.(G.)
" P.W.Dep

25.7.47

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3

(3)

3B

Fort St. George,
2nd August 1947.

Dear friend,

I wanted that a scheme for the training of overseers on a short time basis should be put into effect this year. I would like to know at what stage the matter is. It is urgent

Yours sincerely,
O. P. Ramaswamy Reddy

Hon'ble Sri T. S. Avinashilingam Chettiar,
Minister for Education, Fort St. George.

4

5

10

## Training of Engineering Subordinates.

4B The following conclusions were arrived at at the conference held on 2.9.4) by HM (I), HM (Ps), HM (Fin), Secy EHM, CE (Bld), & CE (I) & the Principal of the Engineering College, Guindy were present.

A From next year the L.C.E. course is to be abolished in the Engineering College & in the Polytechnics (only the batches already under training being allowed to complete the course) & a Lower Subordinate course is to be started instead.

D The number for each course in each of the Polytechnics where the L.C.E. course is now given, is to be varied from 20 (the present number for the L.C.E. course) to 40.

The duration of the Lower Subordinate course will be 2 1/2 years.

Minimum qualification for admission is to be a pass in the S.S.L.C.

B The question of attaching similar courses to the Engineering Colleges at Coimbatore & Cocanada should be explored & particularly the question whether courses could be started there immediately this year.

C The Principal of the Engineering College to arrange to start the course immediately this year for training at least 100 people of the 'Military Cadets' who are to be made available from the Army.

The ~~overseers~~ candidates taking the new course to be employed by Govt. as overseers

6

E

in the Post or the Scale 80-120-E.B.-150; there would also be a selection grade going up to 200. When employed as Draughtsmen they would get Rs: 25/- extra.

The idea is that there would be no intermediate grade between Asst. Engineers & overseers: the present cadre of Supervisors would be split into two - one portion going as a Junior Asst. Engineer's cadre for graduates & the other for promotion overseers as a selection grade.

2/8/47.

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5B A (6) 7

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

THROUGH

THE CHIEF ENGINEER (General, Buildings & Defence)
R.C.No.1090-K2/47 dated 20th August 1947.

...T TO GOVERNMENT
21 AUG 1947
...N AND PUBLIC HEALTH DE...

67328

SIR,

Training of Subordinate Engineering Staff.
Reference:-Government Memo.No.58770-2/47-A Edn., dated 24..7..1947.

---

At the conference which the Hon'ble Minister (Education) had with the Vice-Chancellor, Annamalai University and the Principal, College of Engineering, Guindy, and myself the Vice Chancellor has stated that it would not be possible to conduct the Lower Subordinate courses at the Annamalai University on account of shortage of accommodation, necessary equipment and difficulty in getting the required staff. The Principal, College of Engineering, Guindy has submitted his proposals for the supply of technical personnel needed by the P.W.D. in his letter dated 20..8..1947 (Copy enclosed). I agree with the proposals made therein.

Not recd.

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

R. Narayanan

For Director of Public Instruction.

Copy submitted to the Secretary to Government, Education & P.H. Department.

E. [illegible] H. (A)

ks. 20.8. The main file on the subject has been sent in circulation to H.M. (Edn.) and H.P.M. on 21.8.47. The original of the D.P.I.'s letter sent through the C.E. may be awaited till 10.9.47.

6
25.8.47

25/8/47

26/8/47

6B

(6)

PUBLIC WORKS DEPARTMENT
No.4712-AD/1/47-CR dated 25th August 1947.

From
Sri.M.K.Ranganatham, B.A.,B.E.,I.S.E.,
M.I.Mech.E., Assoc.I.E.E.,
Chief Engineer,P.W.D.(Highways)
Chepauk, Madras.

To
The Secretary to Government,
Education & P.H. Department

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

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

Sir,

68913

Sub: Training of subordinate Engineering Staff - introduction of short term course -
Ref: Govt.Memo.No.58770-2/47-A.Edn. dated 24-7-47

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In the Govt.Memo. quoted above, the Director of Public Instruction has been instructed by Government to submit in consultation with the Chief Engineer (General) very urgently, proposals for training 200 lower - subordinates and 200 Upper Subordinates on a short term course in order to meet the existing large demand for subordinate Engineering staff as the existing arrangements are not considered adequate.

I have to point out to Government in this connection that the lower subordinate course was once for all abolished as it led to the deterioration in the standard of efficiency of subordinate services and consequently the Upper Subordinate course was reorganised and the new ~~LOWER~~ L.C.E.course introduced. There is no use reviving the Lower Subordinate course again.

The New L.C.E.course has been recently introduced in the Polytechnics opened by the Industries Department in addition to the courses in the Engineering College, Guindy, etc. Therefore a sufficiently large Number

9

number of qualified hands may be available within the next three years.

As regards the draftsman course, there was a proposal to revive this course in the Polytechnics of the Engineering College and the question has to be further examined by the Board of Visitors of the College of Engineering, Guindy.

In view of the different polytechnics already opened and those contemplated to be opened we shall soon have all the men required for Government works. I am not also in favour of any short term course as it is likely to lower the standard of professional knowledge of the subordinates. Hence I consider that no fresh short-term courses are necessary.

I am sending a copy of this letter to the Director of Public Instruction also.

Khasha Kunhunahs

for CHIEF ENGINEER, P.W.D.

Copy to the Director of Public Instruction.

26/8

kk/25/8

E. P. H. (A)

The C.E's letter on p 3-4 above may be perused. A conference has since been held by the Prime Minister on the subject and certain decisions have been arrived at. The connected file has been sent to Depts. No action is called for here. May be added to the main file on return.

5.9.47 6/9/47 9/9/47

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7B

(1)

10/7

Edn and P.H Dept

Do. No. 58770-3/47 A Edn. dated 3.9.47.

Dear Mr ✓ Ranganathan
✓ Venkata ~~Acharya~~ Acharya
(11) ✓ Dr. Rudra.

Training of Engineering Subordinates

I am to enclose a summary of the conclusions arrived at at the conference held on 2.9.47 ~~at~~ by the Prime Minister ~~[illegible]~~, for information.

Yours sincy

3/9/47

4/9/47

Mr. M. K. ~~Ranganathan~~ Ranganathan
C. E. (Highways)

Mr. A. R. Venkata Acharya
C. E. (Irrigation)

Dr. Rudra
Principal, Eng college, Guindy

with enclosure.

II

Do. No. 58770-9/47 A Edn. dated 10.9.47.

Dear Dr. Savoor,

Training of Eng: Subordinates

I am to enclose a summary of the conclusions arrived at at the conference held on 2.9.47 ~~at~~ by the Prime Minister ~~[illegible]~~ in the Secretariat, Fort St. George. I am to ask you to send immediately proposals for training at least 100 pupils for the new "Lower Subordinate course in the "Holiday Camp" with an estimate of the addl cost involved. I am also to ask you to send up proposals for starting the Lower Subordinate course in the college of Eng: Guindy next year in the place of the existing L. C. E course

11

I am also to request you to explore the possibility of starting ~~a~~ similar courses in the Eng. colleges ~~immediately~~ particularly the at Cocanada and Coimbatore and ~~to submit a report to Govt with an estimate of the cost involved~~ question whether courses could be started ~~this~~ immediately this year.

3/9/47

3/9/47. If the latter is possible, proposals with an estimate of the cost involved should be sent at once.

To the D.P.I. (by name) ✓

Copy to the Principal, Eng. College, Guindy ✓

3/9/47

Despd 10/9

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12

8B A 90

Edn and P.H. Dept

Training of Eng. Subordinates

A summary of the conclusions arrived at at the conference held on 2.9.47 ~~at~~ by the Prime Minister ~~room~~ may be circulated to H.M.(Edn) for information. Action is being taken on the main lines and it will be submitted to H.M. in due course.

3/9/47.

3/9/47 S

3/9/47 H.M. (Edn)

ASST. SECRETARY TO GOVERNMENT, EDUCATION AND PUBLIC HEALTH DEPT.
9-SEP 1947

GOVERNMENT OF MADRAS
9-SEP 1947

Secy., E.& P.H.

The matter may be examined and pursued.

TSA
7.9-47
H.M.Education.

P.T.O

9B

⑨

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Edn and P.H. Dept

## Training of Eng: Subordinates

summary of the conclusions arrived at at the conference held on 2.9.47 ~~at~~ by the Prime Minister ~~now~~ may be circulated to H.M. (Fin) for information. Action is being taken on the file.

3/9/47

3/9/47

S

3/9/47

H.M. (Fin)

B.G.A.
5.9

ASST. SECRETARY TO GOVERNMENT
6-SEP 1947
EDUCATION AND PUBLIC HEALTH DEPT.

5 - SEP 1947
GOVERNMENT OF MADRAS

14

(10)

10B

Edn and P.H. Dept

Training of Eng: Subordinates

A summary of the conclusions arrived at at the conference held on 2.9.47 ~~at~~ by the Prime Minister ~~room~~ may be circulated to the Prime Ministers for information. Action is being taken on the main file.

8/9/47

3/9/47 S

9/9/47

G.P.R. 9/9

SECRETARY, EDN. AND P.H. DEPT.
10 SEP 1947
GOVERNMENT OF MADRAS

P.T.O

11B (11) 15

VERY URGENT

SECRETARY, EDN. AND P. H. DEPT.
6 - SEP 1947
71206
GOVERNMENT OF MADRAS

D.O. Director of Public Instruction,
Madras, 5th September 1947.

My dear Subramanian,

I am enclosing herewith a copy of the letter R.C.No.1-73 B/47 dated the 5th September from Dr. Rudra, Principal, College of Engineering, Guindy, in respect of training of subordinate engineering staff, vide: your D.O.No.58770-3/47-A, Education, dated 3rd September 1947 to Dr. Rudra. In view of the facts that the course has to be started as early as possible, preferably from the 1st of October 1947, and that the suggestions of Dr Rudra are suitable, I request that early orders of Government may be passed on the suggestions of Dr. Rudra to fix the fee per session at Rs.36/-.

Yours sincerely,
S R U Savoor

M.V. Subramanian, Esq.,I.C.S.
Secretary to Government, E & P H Department,
Fort St.George.

Please take action immediately. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] further from Dr Rudra that the 'waivers' at A & B in his letter are to be only for this year (in view of the urgency): so they may be approved and [illegible] forthwith.
[illegible]
6/9.

Rc.No.1-73 B/47.

College of Engineering, Guindy.
Dated: 5th September 1947.

To

The Director of Public Instruction,
MADRAS.

Sir:

Sub: Training of subordinate engineering staff.

With reference to the decision of the Government to start the Overseers course at the College of Engineering, Guindy from October 1947 subject to the Holiday Camp being made available, I submit herewith a draft advertisement calling for applications for admission to this course.

The salient points in the advertisement are:-

(i) Mention of the abolition of the L.C.E. course. This is absolutely essential as otherwise, the students will not come forward for this course and would wait until next year to join the L.C.E. course, the educational qualification for admission to which is the same as for the proposed Overseers course.

(ii) I have not called for the applications in the printed forms, as I am short of these forms and supply of these forms to candidates will take a long time and would involve a lot of work. I have therefore asked the students to submit their applications in a foolscap size paper giving the absolute minimum particulars. Certificates like the Nativity Certificate, Conduct Certificate etc., which also take a long time to obtain, can be called for after the candidates have been selected.

A

(iii) I have suggested an annual tuition fee of Rs.36/- per session. The fee for the L.C.E. course at the College is Rs.60 per session whereas it is Rs.36 for the same course in the Government Polytechnics. In view of the fee at the Govt. Polytechnics and the fact that this is a lower course than the L.C.E. course

M

PTO.

17 ~~4~~

M

at the College, I have suggested a fee of Rs.36 per session and request your approval.

(iv) I have not prescribed any registeration fee. One of the reasons is that it takes time to obtain the necessary chalan. The second reason is that to make the course attractive as I am afraid that many boys will not come forward considering my experience with the L.C.E. course. The tuition fee also ha been fixed at Rs.36 with this idea.

I request that the advertisement may please be approved at a very early date as there is very little time on hand, if we have to start this course in October 47, and I may be permitted to insert the advertisement in three issues of The Hindu and The Mail.

J Rudra

PRINCIPAL.

Enc.1.

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138 (13) ~~5~~ 18

## OVERSEERS COURSE = COLLEGE OF ENGINEERING, GUINDY.

***

The Government have decided gradually to abolish the L.C.E. course from next year and to institute an Overseers course at the College of Engineering, Guindy from October 1947. Candidates for admission to this course should be S.S.L.C.-Eligible with Mathematics as optional, or should possess an equivalent qualification and must not be over 20 years on the 30th September 1947. The age limit will be extended by two years in the case of Harijan, Muslim, Oriya and Agency Tracts candidates. The tuition fee would be Rs.36 per session. Hostel accommodation will be provided for those coming from the mofussal.

Applications should be submitted in a foolscap size paper so as to reach the Principal, College of Engineering, Guindy, Saidapet P.O., Madras not later than the 20th September 1947, and should contain the following particulars:- 1. Name and Address of applicant; 2. Date of Birth; 3. Native District; 4. Community; 5. Year of passing S.S.L.C. examination, Register Number, Optional Subject and marks obtained in the various subjects.

~~College of Engineering, Guindy.~~

J.J.RUDRA
PRINCIPAL.

6

14B (14) 9/ 19

College of Engineering, Guindy.
Dated: 5th September 1947.

D.O.

SECRETARY, EDN. AND P.H. DEPT.
6 - SEP 1947
GOVERNMENT OF MADRAS

71205

Dear Mr. Subramanian,

I thank you for the minutes of the conference held on 2-9-47 by the Hon'ble Prime Minister.

I think that the course was to be called "Overseer~~s~~" course and not "Lower Subordinate" course. It is very important to call this course as "Overseer~~s~~" course as there will be complications if it is called "Lower Subordinate" course or "Draughtsman" course. It was to avoid these complications that the course was proposed to be called the "Overseer~~s~~" course.

Yours sincerely,

M.V.Subramanian Esqr., I.C.S.,
Secretary to Government,
Education & Public Health Dept.,
Fort St.George,
MADRAS.

15B

(15)

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~~8~~
E.P.H. (A)

**Memo. No. 58770-II/(47)A Edn dated 12-9-47.**

Sub: Training of Engineering Subordinates –
Tuition fee for the course etc.

Ref: From the D.P.I. D.O. dated 5.9.47.

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The D.P.I. is informed that the Govt. approve the suggestions of the Principal, Engg. College, Guindy to ask the candidates to submit their applications in a foolscap size paper, giving the absolute minimum particulars, to call for certificates like the Nativity certificate, Conduct certificate etc. after the candidates are selected; and to the ~~and~~ waiver of the Registration fee, in respect of admissions in the current year.

2. The Govt. also agree to the tuition fee for the course being fixed at Rs 36/- per session.

P.T.O.

p.c.f.

'A' on p 3 c.f.

'B' on p 4 c.f.

M. a p 3-4 c.f.

~~9~~ 21

3. The action of the Principal, Engg. college, Guindy in having inserted advertisements in the news-papers calling for applns. for admn. to the course is also approved.

12.9.47 M 12/9/47

12-9-47

12/9

D 12/9

To the D.P.I.
" A.G. Thro. Fin.
28/c

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16B (16) ~~22~~ ~~15~~ ~~13~~

ASST. SECRETARY TO GOVERNMENT EDUCATION AND PUBLIC HEALTH DEPT.
8 SEP 1947
71370-A

D.O.No.14/47 cp. Office of the Chief Engineer for Irrigation,,
Camp. Bezwada, dated the 6th September 1947.

Dear Subrahmanyam,

Sub:- Training of Engineering Subordinates.

Separate file

Ref:- Your D.O.No.58770-3/47-A Education dated 3-9-47.

I have the following suggestions to make, which may be incorporated, if you have no objection.

Para 1.-- "To be raised from 20 to 40". Add the words "or a higher number if possible" after "40". If some of the polytechnics can handle larger classes it is better to increase the strength to a larger number than 40 preferably 60, at least for the first one or two batches.

I do not think this was intended at the conference.

Para 3.-- I do not know whether a pass in S.S.L.C. is equivalent to an eligibility for the University course. If both are the same, it may be as noted by you; otherwise, it is better to specify "Eligibility" or the minimum qualifications as for entry into Government ministerial service (clerks).

No need to amend the 'Summary'; but the 'point' may be clarified in the relevant discussions & meaning of 'eligibility'.

A

Para 4.--I thought the H.P.M.'s view was that of the two places, Polytechnics and the Colleges, the Colleges should preferably run these courses and the Polytechnics doing it only temporarily and until the Colleges are able to provide these courses. H.P.M. did not want the Polytechnics which are unconnected with the Civil Engineering Department of Government to take on these courses and the idea of increasing the strength in the existing Polytechnics was just for the interim period until the Colleges were able to provide necessary full courses. I would suggest the paragraph being elaborated to make this clear and to suggest that provision should be made for opening these ~~xxxxxxxx~~ courses as early as possible in the several Engineering Colleges, after which they will be closed down in the polytechnics.

It will merely emphasise the primary responsibility as on the Colleges; I do not think the intention here is that the Polytechnics will disappear from the field.

Para 6.-- The scale may be 80-5-120- E.B. 120-6-150, and a selection grade at 150-5-200. I should like if possible this selection grade is made 150-7½-210 (to make the increment a bit more reasonable). An additional allowance of Rs 25 for draftsmen will however be there. A certain number of prize appointments for men of exceptional and outstanding merit as Assistant Engineers was also mentioned by me during the discussion and generally agreed

These may be taken note of by P.W.D. when working out the details. No amendment of 'Summary' necessary.

~~13~~ 23

to. This is a necessary incentive, and may be included in the note of conclusions. The exact number will be fixed later.

Para 7.-- The second sentence may read as follows:- The present cadre of supervisors will be split into two different categories--(1) as Junior Engineers consisting of Engineering graduates, (2) as Overseers in which the selection grade may be called Supervisors (which will be filled entirely by promotion or transfer, of overseers); or alternatively, the whole cadre may be called Supervisors, and Supervisors, selection grade. This will be in accordance with the practice obtaining in the Electricity Department where there are two categories, Junior Engineers who are graduates; and supervisors who are men from the Polytechnics. If this change in appellation means a fresh reference to the Ministers it may be 'overseers' as you have put it temporarily and the name may be changed at the next suitable opportunity.

These also may be taken note of when P.s. have all details. No amendment of minutes necessary.

General. After completing the 2½ years course, I suggested, that for the first six months these overseers would be learning the work of the department while undergoing a sort of probation which will be excluded from the usual two years probation required under the rules. During this period they will be paid Rs 80 but the first increment on the scale 80-5-120 will not be earned till after 1½ years after entertainment. I explained this also to the meeting and the members agreed.

I have no recollection of being definitely open to the reference. It is clear as a suggestion to be considered in connection with the discussion.

Yours sincerely,

To
M.V. Subrahmanyam Esq., I.C.S.,
Secretary to Government,
Education & Public Health Department,
Fort St. George.

K

Send a D.O. [illegible] indicating as above

Sch.

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17B (17) A 24 9/9

SECRETARY, EDN. AND P.H. DEPT.
10 SEP 1947
GOVERNMENT OF MADRAS

4/47 Cp.

Office of the Chief Engineer
for Irrigation,
Camp. Bezwada, 8th September 1947.

My dear Subramaniam,

pl-2 ante

In continuation of my D.O.No.14/47 Cp. dated 6-9-47, I would suggest that the following may also be added at the end of the note of conclusions.

"The above will apply to the P.W. Land Highways branches of the Public Works Department, Minor Irrigation, Revenue Dept. and Civil branch of the Electricity Department."

Yours sincerely,

To
M.V. Subramaniam Esq., I.C.S.,
Secretary to Government,
Education & Public Health Department,
Fort St. George, Madras.

✓ [illegible] & [illegible] to P.W.D.

18B

(18)

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E.P.H.(A)

D.O.No. 58770-12/47A Edn dated 12-9-47.

Dear Venkatacharya,

Sub: Training of Engg. Subordinates.

Ref: D.O. No.14/47cp dated 6-9-47 and 8-9-47

— I deal below with ~~With reference to~~ the suggestions made in your D.O. letters. ~~read above~~, ~~I am to inform you as follows~~ —

Para 1: I dont think this was intended at the Conference.

Para 3: There is no need to amend the Summary; ⓧ ~~your suggestion has been met in the advertisement since published by the Principal of the Engineering College, Guindy.~~ ~~but the point will be clarified in the relevant discussions as meaning eligibility.~~

ⓧ When instructions are formally issued by the Principal it will be made clear that this means eligibility for the University Course.

Para 4: H.P.M. merely emphasised that the primary responsibility was on the Colleges; I dont think that he intended that the Polytechnics should disappear from the field.

Para 6 and 7: These are details which have to be settled in drawing courses in the P.W. Dept. after formal consultation with you & the other C.E.'s. These cannot be put in as modifications of the 'Summary' which was intended to be a brief record of what actually took place at the Conference. These remarks apply also to the suggestion made in your D.O. of 8-9-47. ~~These may be taken note of by P.W.D. when they work out the details. No amendment of Summary is necessary.~~

~~Para 7: These also will be taken note of when P.W.D. work out details. No amendment of 'Summary' is necessary.~~

~~Para~~ General: I have no recollection of this being definitely agreed to at the Conference. This will have to be left to be dealt with, as a suggestion to be now considered in connection with the discussions, in the same manner as the points referred to above against paras 6 & 7.

Yours sincerely,

Sd/ T.R.[illegible]

m 12-9-47

To the C.E. (B.) ✓
(by name)

desp. 12/9

[illegible] 11.9.47

E. ~~P.H.~~ No. 58770-~~12/47A~~
dated 12-9-47

Education and Public Health
DEPARTMENT.
FORT SAINT GEORGE
Dated the 12th Septr. 1947.

.....

D.O. No. 58770 - 10/47 A Education

Dear Venkatacharya,

Sub: TRAINING OF ENGINEERING SUBORDINATES.

...

Ref: D.O.No. 14/47 Cp.dated 6th Septr.1947 and 8the September 1947.

......

I deal below with the suggestions made in your D.O. letters:-

**PARA I:** I do not think this was intended at the Conference.

**PARA 3:** There is no need to amend the summary; when instructions are formally issued on the point it will be made clear that this means eligibility for the University course.

**PARA 4:** The Hon'ble the Prime Minister merely emphasised that the primary responsibility was on the Colleges; I do not think that he intended that the Polytechnics should disappear from the field.

**PARA 6 & 7:** These are details which have to be settled in due course in the Public Works Department after formal consultation with you and the other Chief Engineers. These cannot be put in as modifications of the 'summary' which was in-

27

-2-

intended to be a brief record of what actually took place at the conference. These remarks apply also to the suggestion made in your D.O. of 8-7-47.

.....

GENERAL: I have no recollection of this being definitely agreed to at the conference. This will have to be left to be dealt with, as a suggestion to be now considered in connection with the discussions in the same manner as the points referred to above against para 6 and 7.

...

Yours sincerely,

......

To
Sri Rao Bahadur
A.R.Venkata Acharya,
Chief Engineer(Irrigation)
M A D R A S

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28

R.C.No.1-73-B/47.

20

College of Engineering, Guindy,
MADRAS-15, Dated: 24--9--'47.

GOVERNMENT OF MADRAS
26 SEP 1947

E.P.M.(A)
Maybe added to the main file
29.9.47
30/9/47
1/10/47

To
The Director of Public Instruction,
M A D R A S.

Sir,

Sub:- Starting of Overseer Course in the Guindy Engineering College.

====

With further reference to my letter No.R.C.1-73-B/47 dated 12--9--47, to the Chief Engineers, P.W.D. (copy already submitted to you), I have the honour to say that I have received the remarks of the Chief Engineer for Irrigation, who is also now the Chief Engineer, General and Irrigation. A copy of the letter of the Chief Engineer containing the remarks on the syllabus, duration of the course etc., is enclosed herewith.

## I. RULES AND SYLLABUS FOR OVERSEER COURSE.

2. At the conference held by the Hon'ble Premier on the 2nd September 1947, it was suggested that the Overseer course should be of 2½ years duration. Through cutting down the summer vacation and increasing the hours of work per week, it has been possible to compress the course in two years. As will be seen from para 4 of the Chief Engineer's letter, he agrees to the duration of the course being 2 years for the immediate present. As suggested by the Chief Engineer the duration of the course may be lengthened if found necessary after experience of a few years. I request that the duration of the course as 2 years may be sanctioned.

3. In para 1 of his letter, the Chief Engineer has suggested some small additions under the heads Irrigation and Hydraulics. These additions have been made and correction slips giving these additions are submitted herewith for posting in the appropriate places in the copy of the Syllabus, already sent to you with my letter of 12th September 1947.

4. In para 2 of his letter, the Chief Engineer has suggested the delivering of six lectures in Mechanical Engineering. This has been provided by altering the subject, Machine Drawing (page 10 of the syllabus), to Machine Drawing and Mechanical Engineering and by addition of the syllabus in Mechanical Engineering covering the ground suggested by the Chief Engineer.

5. As regards the suggestion of the Chief Engineer contained in para 3 of his letter that passing in Surveying should be compulsory, this has been given effect to by putting Surveying in a separate branch instead of including it in Engineering as in the original scheme of distribution of marks, and making it compulsory for a student to pass the examination in the branch in each year's course. A copy of the revised scheme of distribution of marks is enclosed herewith for replacing the original scheme submitted previously with the copy of the syllabus. The importance of giving a thorough grounding in Surveying as pointed out by the Chief Engineer, had already been taken into consideration in framing the time-table, and practical surveying for two days per week as against one day per week in the L.C.E. course had already been provided. However, proficiency of students in this and other subjects will depend not so much on the number of hours devoted to them as on the individual attention that can be given to the students by the Instructors. The latter is of the greatest importance in this course and the proposal for staff made in the latter part of this letter has been made with this important consideration in view.

6. The Chief Engineer suggests at the end of para 4 of his letter that only School Final eligible candidates should be admitted to this course. It will be so, and has been specified in the advertisement inviting applications for this course.

P.T.O.

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7. In the last para of his letter, the Chief Engineer mentions the desirability of getting the Holiday Home for accommodating the students. The Secretary to Government has already intimated in his Memorandum No.72962-2/47-A Education dated 17--9--47 that the Holiday Home will not be available. In my letter No.R.C.1-73-B/47 dated 22--9--47, I have already submitted alternative proposals for conducting the course on the assumption that the Holiday Home will not be available and am awaiting orders. I think it best to proceed on the assumption that the Holiday Home will not be available. However, we shall be glad to have the Holiday Home not only to accommodate these students of the Overseer Course who have to come as day-scholars and who would find it very inconvenient to do so since they have to come at 6-30 A.M. every day, but also to remove the serious congestion in the College hostel, and to alleviate the inconvenience of about 200 students of the college who are obliged to live as day-scholars owing to lack of accommodation in the hostel. I would therefore request the Government to continue their efforts to get the Holiday Home. I may mention in this connection that we may have to provide for refugee students from the Punjab and Sind and the bottleneck in this matter would be residential accommodation for the refugee students.

8. Estimate for staff etc. is given in the attached sheet. I ~~suggest~~ submit below the justification for these.

## II. ESTIMATE FOR STAFF ETC.

9. Staff: The most important matter with respect to this course is staff. The existing Engineering staff of the college is inadequate even for the existing courses of the two Colleges namely, Guindy College and Anantapur College. They would not therefore be available for instruction to students of the Overseer course. The College staff can however take up the Workshop and Mathematics classes. It will however be necessary to have additional staff for Engineering subjects. The necessary additional staff cannot be obtained by direct recruitment and we shall have to depend upon the P.W.D. for the entire staff. The Chief Engineer, has stated in para 6 of his letter that he would try to meet the demand for staff as far as practicable.

10. In view of the urgent demand for persons with Overseer qualifications, the proposed Overseer Course has been made intensive, by having larger number of working hours per week and shorter summer vacation than for the LCE course. To ensure that properly trained men are produced, far more time has been devoted to practical classes such as Drawing, Surveying, Estimating, Workshop practice etc., than to Lecturing.

11. During the War, intensive courses of this nature were conducted at the college for training draughtsmen and Surveyors under the War Technicians Training Scheme of the Government of India. The staff sanctioned by the Government of India was one Instructor for 16 students in the draughtsman class and one Instructor for 12 students in the Surveyor class, and supervisory staff in addition according to a prescribed scale. My experience of this training shows that the staff on the scale provided was just adequate and was by no means excessive.

12. The object of starting the Overseer course is to turn out men competent to be both draughtsmen and surveyors, and for effiecient instruction and training, staff in the scale provided for training draughtsmen and surveyors in the War Technicians Training Scheme should be provided. Unfortunately, the shortage of technical personnel is in the way of appointment of staff on this scale. All the staff have to be obtained from the P.W.D., and appreciating the shortage of staff with which the P.W.D. is suffering, I have requested for staff on a modest scale.

13. Assistant Instructors: The minimum number of Assistant Instructors for instruction in drawing and surveying classes is four. There would then be 26 students per Assistant Instructor in drawing and surveying classes, a number which is far in excess of that for the W.T. draftsman and surveyor cources. These Assistant Instructors should be

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(21)

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the cadre of Supervisors of the P.W.D. As the Supervisors with B.E. qualifications get promoted as Assistant Engineers in a few years, I do not thinck it desirable to obtain Assistant Instructors with B.E. qualifications for this course. I would therefore like to have Supervisors with Upper Subordinate or L.C.E. qualification with at least 5 years experience, so that they may not be disturbed from the college for three years. Moreover, the expenditure on these Assistant Instructors will be less than that on Assistant Instructors with B.E. qualifications and it may be easier for the P.W.D. to release Supervisors with L.C.E. or Upper Subordinate qualification than Supervisors with B.E. qualification. I have suggested to the Chief Engineer that two of these Assistant Instructors should have experience of drawing office work and the two others should have experience of executive work. The Chief Engineer has stated that he will try to meet the demand as far as practicable.

14. In requesting sanction of 4 Assistant Instructors with Upper Subordinate or LCE qualification, I would say that these Assistant Instructors will be engaged in all practical classes in the subject of surveying, drawing, (including graphic statics) and estimating, and will have about 26 hours of work per week. Besides this, they shall have a lot of correction work to do. They will thus be fully occupied.

15. Instructor: Besides, the 4 Assistant Instructors, it is necessary to have an Instructor with B.E. qualification from the cadre of Assistant Engineers in the P.W.D. Lecture classes cannot be entrusted to Assistant Instructors with Upper Subordinate or LCE qualification. Moreover, they shall not have the time necessary for preparation for lecturing as they will all have a large correction work to do, besides 26 hours of instruction work. Besides Lecturing the Instructor will have general supervision of practical classes. He will be present through-out the survey practical classes and spend as much time as possible in other practical classes. He will also be a reserve. It should be expected that the Assistant Instructors will take casual leave from time to time, and there must be somebody to take the place of the Assistant Instructor on casual leave in the practical classes. This is absolutely essential in view of the intensive nature of this course and the already large number of students per Assistant Instructor. It will thus be seen that an Instructor is absolutely essential and I request that he may be sanctioned in addition to the 4 Assistant Instructor's, referred to above. The number of classes of the Overseer and LCE courses will be four until April 1949, and the Instructor and Assistant Instructors are required until then. After that the question of staff will have to be reviewed.

16. Peons: Two peons are required, one for the Instructor who will be a Gazetted Officer and one to serve as attender in survey practical classes and for general duties. The peons are required till April 1949 for the same reasons as in the previous para.

17. Sweepers: The students will be accommodated in the Teachers' College Hostel and in the outhouses attached to the bungalow of the Principal of the Guindy College. One sweeper is necessary for each place. These sweepers will only be employed till the end of April 1948, as it is expected that, by that time, accommodation will become available for the students in the college hostel.

18. Furniture: In view of the fact that the students are expected to be transferred to the college hostel next year, no expenditure on furniture for them need be incurred. Furniture is being made for the Anantapur College and this would be made use of temporarily.

19. Workshop charges: Material for practical work in workshop will be required and provision has to be made for this.

20. Repairs: Electrical and other repairs in the outhouses of the bungalow of the Principal, have to be carried out. Some of the out-houses have no electric lights and these will have to be provided.

P.T.

## III. CONCLUSION.

In conclusimn, I request that a G.O. dealing with the following points may be issued:--

(1) Gradual abolition, from July 1948, of the L.C.E. course from the College of Engineering, Guindy and the Government Polytechnics, and the institution of an Overseer course of two years duration.

(2) Approval of the syllabus and distribution of marks for the Overseer Course.

(3) Fixation of Rs.36/- per session as tuition fee for this course, and such other special fees for which the students of other courses in the college are liable.

(4) Sanction for the strength of the Overseer class at the College of Engineering, Guindy at 100.

(5) Sanction of one Instructor with B.E. qualification from the cadre of Assistant Engineers in the P.W.D. till April 1949.

(6) Sanction of 4 Assistant Instructors with Upper Subordinate or L.C.E. qualification from the cadre of supervisors of the P.W.D. till April 1949.

(7) Sanction of two peons till April 1949

(8) Sanction of two sweepers till the end of April 1948.

(9) Sanction of a sum of Rs.200 under the head Appratus and Materials.

(10) Sanction of Rs.500 for electrical and other repairs to the outhouses of the Principal's quarters.

PRINCIPAL.

pts.25/9/47.

Encl:- Estimate and Correction Slips, Details, syllabus & distribution of marks etc, and copy of letter from C.E.

Copy to the Secretary to Government, Education Department with a copy of syllabus.

Copy to the Chief Engineer (Genmmal), Madras.

Copy to Chief Engineer, Irrigation, Madras

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Estimate of Expenditure for the period from 1st October 1947 to 31st March 1948 for the opening of Overseer class in the College of Engineering, Guindy.

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| S. No. | Item of Expenditure. | Pay per mensem. | Budget Estimate (6 months). | Total. |
|---|---|---|---|---|
| I. | Pay of Officers and Establishment. | | | |
| | dB 1 Pay of Officers (Temporary) | | | |
| 1. | One Instructor in P.W.D. Assistant Engineer's cadre. | Rs. 320/- | Rs. 1920/- | Rs. 1920/- |
| | dB 2 Pay of Establishment (Temporary) | | | |
| 1. | 4 Assistant Instructors in the P.W.D. Supervisor's cadre with Upper Subordinate or L.C.E. qualification. | Rs. 600/- | Rs. 3600/- | Rs. 3792/- |
| 2. | Peons. | Rs. 32/- | Rs. 192/- | |
| | dB 3 Workshop maintenance. | | | |
| 1. | Workshop charges. | | Rs. 200/- | Rs. 200/- |
| | dB 4 Other charges. | | | |
| | (a) Allowances and Honoraria:- | | | |
| 1. | Travelling allowance of Officers and Establishment. | | Rs. 600/- | Rs. 600/- |
| | (b) War & Dearness allowances to Officers and Establishment | | Rs. 1152/- | Rs. 1152/- |
| | (c) House rent allowance for Establishment. | Rs. 10/- | Rs. 60/- | Rs. 60/- |
| | Contingencies & Miscellaneous. | | | |
| 1. | Cleaning charges ( 2 Sweepers at Rs.8/- each). | Rs. 16/- | Rs. 96/- | Rs. 96/- |
| | Dearness allowance to Menials. | Rs. 32/-<br>48 | Rs. 192/- | Rs. 192/- |
| | Grand Total | | | Rs. 8002/- |

Extra cost of staff

| | Av Pay | HRA | Compensatory allce | Total pm |
|---|---|---|---|---|
| 1 Instructor in PWD Asst Engrs cadre 260-500 | 393.3 | 50 | 69 | 512.3 |
| 4 Asst Instructors Supvrs' cadre 100-5-150-10-250 @ 175 | 700.0 | 60 | 124 | 884.0 |
| 2 Peons @ 20.7 | 41.4 | 10 | 32 | 83.4 |
| | | | | 1479.7 pm |

Other charges

M.R. Material 200
Repairs 500

Recg 400
1200
576
2176

17,957.4 + 2176.0

19932.4

3655

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## DETAILS OF THE PROPOSED OVERSEER COURSE TO BE STARTED FROM OCTOBER 1947.

The syllabus, time-table, examination scheme etc., for the Overseer course are enclosed herewith.

2. The syllabus has been drawn up after consulting the syllabuses for similar courses at Roorkee, Annamalainagar, Trivandrum and Guindy. It is of a lower standard than the present L.C.E. course, but is of a higher standard, and more evenly balanced, than the Lower Subordinate course or the Sub Overseer or Overseer courses, that were conducted at the Guindy College in the past.

3. The course has been designed to fit students for employment as Overseers in the Public Works, Highways, Sanitary, Revenue and Municipal Departments, and also for employment as Surveyors and Draughtsmen in any of these Departments.

4. In view of the urgent demand for Overseers etc., the course has been made intensive. The summer vacation has been reduced from 12 weeks to 6 weeks thereby making 6 more weeks available than for the L.C.E. course. The number of working hours per week has also been increased, and is 38 hours per week as against 30 to 34 hours per week for the L.C.E. course. Major part of the working hours is devoted to practical work and the larger number of working hours per week would not therefore cause any undue strain on the students.

5. The course can be covered in two years, and it is not necessary to extend its duration to 2½ years. Moreover, from psychological considerations, it is not desirable to have an Overseer course of 2½ years duration as the students are sure to agitate for its extension by another six months, and for award of L.C.E. diploma.

6. The course in the first year will start as soon as possible in October 1947 and will end in May 1947. The students will be given vacation of one month from 1st June 1948 to 1st week of July 1948. They will not be given the Christmas vacation, but would be given a break of 10 days at the end of January 1948, which will be about the middle of the session. It is expected that the syllabus of the first year would be covered by the end of May 1948. If for any reason, say late starting of the course, the syllabus is not covered, the first year class will be continued after vacation. This will not interfere with the conduct of the class of candidates that will be admitted next year.

7. The next admissions will take place in July 1948 and the session for these students, as well as those admitted thereafter, would be from the 1st week of July to the middle of May.

8. It has to be considered if any practical training should be prescribed. The Lower Subordinates and Draughtsmen were not required to undergo any practical training.

9. The proposed course is an intensive one and its success will be determined by the individual attention that can be devoted by the staff in the practical classes. For efficient instruction in practical classes in drawing and surveying, there should be a member of staff for not more than 20 students. There should therefore be 5 members of staff for a class of 100. However, in view of the shortage of men, we may have one member of staff for every 25 students, and consequently, 4 members of staff will be required. They should be of the cadre of Supervisors and should have had considerable experience in the P.W.D. They should be called Assistant Instructors.

10. As holders of B.E. degree get promoted as Asst. Engineers in a few years, it would not be desirable to fill up these posts of Asst.Instructors with Engineer-Supervisors, and it would be better to have Supervisors of the Upper Subordinate or Licentiate qualification. It is suggested that two of these may be persons who have had 5 years experience in a Drawing Office and the other two may be persons who have had 5 years experience in the executive line.

11. Besides the 4 members of staff of the Upper Subordinate or Licentiate qualification with 5 years experience, we must have a person of the cadre of Asst.Engineer for handling lecturing work and for supervision of the drawing and surveying classes. The entire staff will have to be supplied by the P.W.D.

12. The existing staff of the College will manage the workshop and Mathematics classes; but cannot undertake any part of the instruction in other subjects as they are already overworked. However, the course will be under the general supervision of the Civil Engineering Department of this College.

College of Engineering, Guindy.
Dated: 12th September 1947.

PRINCIPAL.

## SYALLABUS FOR THE OVERSEER CLASS

### BRANCH I.

### MATHEMATICS.

### FIRST YEAR.

FIRST PAPER: MENSURATION

Area and perimeter of plane rectilinear figures; area of ellipse, sector and segment of a circle; circumference and area of a circle; area of similar figures; area of plane figure by mid-ordinate rule and Simpson's rule; Surface and volume of prism, cylinder, pyramid, cone, sphere, ring, surface and volume of frusta of prisms, pyramids, cones and of sectors and segments of spheres; Volume of prismoids; Volume of irregular solids by Simpson's rule and by plotting ordinates representing areas of cross sections.

SECOND PAPER:

PLANE TRIGONOMETRY:-

Definition of trigonometrical ratios of an angle and graphical determination of their values Setting out angles from values of sines, cosine etc., Solution of right~~x~~ angled triangles by calculation and drawing; simple applications to heights and distances; easy trigonometrical equations; Graphs of trigonometrical functions; use of logarithmic tables; solution of triangles.

### BRANCH II.

### ENGINEERING.

APPLIED MECHANICS:

FIRST YEAR.

Stress and Strains:- Tension, compression and shear; Modulus of elasticity, elastic limit, ultimate strength, factor safty and working stresses.

Elementary dynamics:- Velocity and acceleration; Newton's Laws of motion; force; momentum

[illegible]

Energy - Potential and Kinetic - Principle of work; centrifugal force - Examples.

Elementary study of beams:- Bending moment and shearing force - Sections in iron, steel and wood. Simple applications of formulae - section modulus.

Riveted joints:-- Resistance of a rivet of a bolt in structural connections. Strength in single or double shear and in bearing - working strength of a rivet or bolt. Lap and butt joints efficiency of joints standard dimensions of bolts, rivets, Keys and cotters.

## SECOND YEAR:

Graphic Statics:- Graphical determination of stresses in simple frames including the effect of wind pressure - Bow's notation - Bending moment and shearing force diagrams for simple cases. Graphical determination of center of gravity, moment of Inertia and section modulus.

Stiffness of beams:- Calculation of deflection from formulae for simple beams and cantilevers under uniform and concentrated loads.

Struts and columns:- Formulae of Euler Gordon and Rankine to find the safe stress in a compression member.

Pure torsion:- Simple shear and pure torsion Strength of shafts:- Close coiled helical springs.

Graphical testing of retaining walls and arches.

## BUILDING MATERIALS AND BUILDING CONSTRUCTION.

## MATERIALS:

FIRST YEAR.

1. Stones:-- Varieties of stones met with in

Southern India quarrying, blasting with powder and dynamite. dressing average strength and weight of stone.

2. Bricks and tiles:-- Brick earth; tempering, hand and machine moulding, dxingx drying, burning, in clamps and kilns. Hoffman's Kiln, coloured x bricks and tiles, pressed bricks. Roofing, flooring and drain tiles. Fire bricks. Average strength and weight of brick. Characteristics of good bricks and tiles.

3. Lime, cement, mortar, concrete and plaster:- Sources and properties of lime. Burning in intermittent and running kilns, slaking mortar mixing fat and hydraulic limes. Portland cement manufactured/ ~~in England and in India~~. Hydraulic mortar, surki, concrete practical tests for limes, cements strength of mortars and concretes. Plaster and plastering and pointing, white washing, colour washing and distempering and papering walls.

4. Timber:-- Growth, felling, seasoning, natural and artificial preservation of timber, varieties used in Southern India - teak, sal, irool, Karimarudu, padowke, vengay, venteak, aynee, red and white cedar, rose wood, casurina, mango, palmyrah, coconut, bamboo/ Strength and weight of timber - characteristic of good timber.

5. Metals:-- Metals, iron ores, smelting, grey and white pig xxkx iron, castings, pipes and columns of cast iron - chilled castings - strength of cast iron - brief description of the manufacture of wrought iron. Rivets and bolts, punching and drilling holes. Riveting, cutting plates and bars, welding. Steel hard and mild. The Bessemer process. Strength of steel. Copper, zinc, lead, tin, alloys, soldering metals.

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Forms of W.I. galvanised and corrugated iron. Tests and strength of W.I.

Panints and varnishes:-- Ingredients of paint, litharge, turpentine, linseed oil. Mixing paint. Painting old and new rork. Wood oil. Coal tar. Varnish, Putty, Glazing.

## CONSTRUCTION.

FIRST YEAR:

Masonry:-- Coursed and uncoursed rubble - block in course Ashlar, string courses - coping, brick laying, English and Flemish bonds, bond at angles of walls, in footings with off sets - between main and cross walls, at door and window openings and in circular pillars. Foundations and footings - Plinth = damp proof course. Thickness of main and cross walls - wall plates - wood bricks and plugs - openings for timber beams, for doors and windows. Corbelling. Flat, segmental, pointed and relieving arches - centres for small arches. Enclosure walls. Buttresses and counter forts - retaining and breast walls. Scaffolding.

Foundations:-- Excavation, masonry and concrete foundations = unequal settlement - pressure on soils under foundations - foundations in rock, good and bad soils. Piles. Coffer dams and caissons. Well foundation. Brick and iron walls. Mode of sinking wells. Patent excavators for well sinking. Setting out buildings from working plans.

Carpentry:-- Mortice and tenon joint - fishing and scarfing - iron straps and bolts- roof and bridge frames - nature of stress in the different members - detail of joints - frames of timber and iron combined - trussed beams - timber floors - stairs, designing and setting out-doors and windows - centerings for arches - striking centres - partitions.

Roof and Floors:-- Terrance roofs and floors on joists, beams and joists or iron girders and joists. Bengal terrace roofs. Fire proof floors. Brick arched roofs. Pitched roofs. Couples. Trusses. Rafters, purlins and reepers. Roof coverings of thatch, tiles, & slates and shingles. Ceilings. Floors of stones brick and tiles, concrete, timber and ~~m~~ asphalt. Simple from of iron roof. Use of tee, angle and channel iron in compression, and of rods and flat bars in tension. Joints and connections. Shoes, rivets, bolts. Iron and timber purlins, Brackets. Patent tiles, corrugated iron, lead and zinc roofing. Modes of attachment. Ventilators.

## CONSTRUCTION.

SECOND YEAR:

1. Bridges:-- Types of bridges. Selection of site - waterway foundation, ordinary, subaqueous and well foundation centerings. Emperical rules for thickness of arches, abutments and piers; causeways and wooden bridges

2. Reinforced concrete:-- Principles of R.C. design - Theory and design of simple rectangular beams and slabs. Design of Tee beams and columns ~~applications to design of continuous beams and floors~~. Arrangements of reinforcements - Details of construction.

3. Steel:-- Properties of British standard rolled steel beams. Simple design of beams, ~~and~~ built up girders, and Columns, ~~Curtailment of flange plates. Determination of size, pitch and arrangement of rivets in flanges. Simple design of plate girders. Emperical rules for proportioning depth of girder and breadth of flange to span. Flanges, web, Stiffeners. Connection of web to flanges. Simple trusses.~~

4. Miscellaneous:-- Retaining walls - Depth of foundations; counterforts and buttrasses - Revetments - Simple masonry Dams.

## ROADS AND EARTH WORK.

### SECOND YEAR:

Importance of roads. Preliminary investigations. Survey and considerations affecting alignment. Earthwork and foundations for roads. Classifications of roads. Earth, gravel, water-bound macadam and other improved surfaces like tar, bituminous/asphalt and concrete. Hill roads, bridle paths. Methods of construction, subdrainage, surface drainage, gradient, camber. Maintenance of roads, Dust prevention. Road side ~~xx~~ arboriculture.

## HYDRAULICS.

### SECOND YEAR:

Hydrostatics:-- Pressure at a point, total pressure, resultant pressure, centre of pressure, measurement of pressure, equal transmission of pressure, syphon, Archimedes principle.

Fluids in motion; Bernoulli's theorem. Venturi, meter and pitot tube. Discharge from small orifice co-efficients of contraction, velocity and discharge. Mouthpieces, large rectangular orifice and rectangular notch. Formulae of Francis and Bazin. Triangular notch. Velocity of approach, gauging weirs. Modules, submerged and partially submerged orifices and notches. Practical application: Tank surplus weirs. Anicuts and sluices Bridge openings.

Flow in pipes:-- Fluid friction - hydraulic gradient, Chezy's equation, inclination of pipes.

Flow in channels - Chezy's equation for uniform flow in channels, co-efficients of Kutter, Bazin and Manning. Practical data - Channels of minimum border.

Hydraulic Machinery:-- General description of ordinary types of centrifugal and plunger pumps.

## IRRIGATION.

SECOND YEAR:

Well Irrigation:-- Source of supply. Movement of sub-soil water. Quantity of sub-soil water. The Mota. Drainage cones. Classes of Wells. Methods of raising water from wells. Area protected by wells.

Tanks:-- Isolated rainfed tanks. Tanks in grups. Tanks supplied from rivers or streams. Catchment and capacity of a tank. Irrigating duty of water. Tank bunds, puddle walls, revetment. Surplus weirs. Tank sluices. Closing breaches.

Canals and Channels:-- Duty. Design of Channels. Critical velocity. Irrigation in delta and elsewhere. Supply from rivers. Capicity of channel. Limiting velocity. Surface fall. Side slope.

Drainage crossings:-- Brief Descriptions.

Navigation Canals.

Training Works:-- Their object. Dead water. Straightening channels. Temporary training works. Methods of influencing current.

## SANITARY ENGINEERING.
### SECOND YEAR.

WATER SUPPLY:--

Sources of supply:-- Rivers, lakes, springs and wells. Purity at source. Sampling of water for analysis.

Pumping arrangements:-- Intakes and unfiltered water pumping stations. Filtered water stations. Tests. Rising mains.

Storage:-- Reservoirs and tanks.

Filtration:-- Simple sand and mechanical filters.

xxx Sterilization and chlorination.

Distribution:-- Layout of simple mains. Water-supply fittings. Calculation of hydraulic mean gradient and hydraulic mean depth. xxxxx Losses of head.

## SEWAGE DISPOSAL.

Systems of collection and removal of refuse:-- State of sanitation in India. Refuse removal.

House fittings:-- Water closets. Urinals. Sinks. Baths. House drains. Indian adapations. Connexions with sewers. Pail depots.

Sewers and drains:-- Layout. Separate and combined systems. Materials used in construction. Flushing. Calculations of sizes and gradients.

Public Conveniences:-- Dry pattern latrines. Water flushed latrines. Urinals.

Sewage disposal:-- Selection of site for outfall. Purification by (a) land irrigation, (b) intermittents and filtration, (c) Septic tanks, and (d) Activated sludge system of sewage disposal.

## SURVEYING.

1. Chain Survey:-- Principles. Measurements of offsets. Use of optical square, cross staff. Method of chaining, chaining across obstacles, ranging over folds over the grounds, chaining over sloping ground. Plotting the survey

2. Compass Survey:-- The Prismatic compass, constructional details and its uses. Bearings and angles. Magnetic and true meridian. Local attraction, ~~[illegible]~~. Adjustment of closing error.

3. Plane table Survey:-- Setting and use. Radiation, Triangulation and Traversing. Resection.

4. Level:-- Use and adjustment. Different types of levels. Precautions in using levels. Booking and reduction of levels, comparative merits of reduction methods. Sources of error, curvature and refraction.

SECOND YEAR:

1. Levels:-- Longitudinal sections and their plotting. Cross sections contouring. ~~Sections on contoured plans. Location of dams, roads or railways on contoured plans showing cutting or embankment, estimation of areas or xxxxxx volumes.~~ Use of abney level and ghaut tracer.

2. Theodolite:-- Use and adjustment of theodolite, parts for horizontal measurement, parts for vertical measurement, details of theodolite. Measurement of angles, repetition, reiteration. Traversing Gale's traverse system, calculation and tabulation of co-ordinates. ~~Elements of curves, setting out straight line and curve in the field, setting out by means of chords and offsets.~~ Heights and distances. Simple triangulation and simple stadia measurement.

3. Curves:-- xxxxxx Radius. Tangent points. Pegging out curves: (1) by chords and offsets; (2) by angles at the circumference.

4. Topographical Drawing:-- Conventional signs, map drawing, Representation of ground by contours. Sections on contour plan~~t~~s. Location of dams, roads, xxxxxx and railways showing cuttings and embankments. Estimation of areas and volumes.

DRAWING.

FIRST YEAR:-

1. Free hand and Model Drawing:-- Ornamental

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outlines. Application of elementary perspective to model drawing of simple objects.

2. Geometrical Drawing:-- (a) Practical Plane Geometry - Elementary problems dealing with lines, triangles, quadrilateral, circles, polygons, methods of drawing plane curves; parabola, ellipse, hyperbola.

(b) Practical solid geometry and projection - lines, points and planes projection of simple solids, Sections of solids. Development of plane and curved surfaces. Simple interpretation of solids. Isometric Projections.

3. Machine Drawing:-- Ability to copy accurately to scale drawing of simple machine details such as bolts, nuts, keys, cotters, rivets and riveted joints. Ability to ~~mmmmkxxx~~ copy from sketches ~~and~~ details of simple machines and ~~supply~~ additional views

## BUILDING DRAWING.

### FIRST YEAR:

~~Rxxpxrxkkxxxofxdxkxkkx~~ The work will be based on the syllabuses in"construction"for this year.

### SECOND YEAR:

Civil Engineering Drawing:-- Advanced exercises based on the syllabuses for Hydraulics and Irrigation Engineering.

Elementary principles of Architecture and of drawing~~x~~ Buildings ~~xxdx~~ in perspective.

## ESTIMATING.

### FIRST YEAR:

Main principles:-- Ability to take out quantities for various items in simple buildings, Preparation of"data" , ~~xxx~~ "Abstracts", and Approximate estimates.

SECOND YEAR:--

Preparation of detailed estimates for bridges and Irrigation works. Estimating earthwork from plotted sections. Calculation of weight of metal from detailed drawings of structural iron work.

# TIME TABLE FOR THE OVERSEER CLASS - FIRST YEAR.

| DAYS. | 6-30 to 8-30 A.M. | 10-10-50 | 10-50 to 11-40 | 11-40- to 12-30. | 1-30 to 2-20 | 2-20 to 3-10. | 3-10 to 4-00 P.M. | 4-20 to 5-30.P.M. |
|---|---|---|---|---|---|---|---|---|
| MONDAY. | Workshop ½ Class. | Applied Mechanics. | Mathematics. | Building Materials. | CIVIL ENGINEERING DRAWING. | | | Gyms. |
| TUESDAY. | Survey Field Work (6-30 to 10-30). | -- | -- | -- | Mathematics. | C.E. Drawing. | | |
| WEDNESDAY. | Survey Field Work (6-30 to 10-30). | -- | -- | -- | Survey Theory. | ← Survey Office Work. → | | |
| THURSDAY. | Sketching and Model Drawing. | Applied Mechanics. | Mathematics. | Building construction. | GEOMETRICAL - DRAWING. | | | |
| FRIDAY. | Machine Drawing. | Mathematics. | ESTIMATING. | | CIVIL ENGINEERING DRAWING. | | | |
| SATURDAY. | Workshop ½ Class. | | | | | | | |

NOTE:- Total Number of Working Periods per Week. 38.

For the session 1947 - '48 Class work will commence from 1st October '47 and will continue till the end of May '48 Thus making available 8 working months or about 28 weeks. (Excluding Holidays).

| DAY | 30 to 8-30 A.M. | 10-10 to 10-50 | 10-50 to 11-40 | 11-40 to 12-30 | 1-30 to 2-20 | 2-20 to 3-10. | 3-10 to 4-00 P.M. | 4-20 to 5-30 P.M. |
|---|---|---|---|---|---|---|---|---|
| MONDAY | Survey Field Work (6-30 to 10-30) | | | | Survey Theory | Survey | Office Work | |
| TUESDAY | Workshop ½ Class. | Applied Mechanics. ← | Graphic Statics. → | | ← ESTIMATING. → | | | Gyms. |
| WEDNESDAY | CIVIL ENGINERTING DRAWING. | Construction. | Roads. | Hydraulics. | Irriga-tion. | CIVIL ENGINEERING ~~DRAWING~~ Drawing → | | |
| THURSDAY. | Survey Field Work (6-30 to 10-30.) | | | | Sanitary Engineering. | ← ESTIMATING. → | | |
| FRIDAY. | Workshop ½ Class. | Construction | Hydraulics. | Irrigation | | CIVIL ENGINEERING DRAWING. | | |
| SATURDAY. | CIVIL ENGINEERING DRAWING. | | | | | | | |

38

NOTE:-- Total Number of Working periods per week. 38.

36

## ALLOCATION OF PERIODS OF WORK FOR THE DIFFERENT SUBJECTS IN THE OVERSEER COURSE DURING THE FIRST AND SECOND YEAR.

| Item No. | Subject | FIRST YEAR. Periods of work per week. | SECOND YEAR. Periods of work per week. |
|---|---|---|---|
| 1. | Mathematics. | 4 | -- |
| 2. | Applied Mechanics.<br>and Graphic Statics | 2 | 1 (Theory)<br>2 (Graphic Statics) |
| 3. | Building Materials & Building Construction. | 2 | 2 |
| 4. | Roads and Earth Work. | -- | 1 |
| 5. | Hydraulics | -- | 2 |
| 6. | Irrigation. | -- | 2 |
| 7. | Sanitary Engineering. | -- | 1 |
| 8. | Survey Theory | 1 | 1 |
| 9. | Survey Field Work. | 8 | 8 |
| 10. | Survey Office Work. | 2 | 2 |
| 11. | Model Drawing & Sketching. | 2 | -- |
| 12. | Geometrical Drawing. | 3 | -- |
| 13. | Machine Drawing. | 2 | -- |
| 14. | Civil Engineerigg Drawing. | 8 | 9 |
| 15. | Estimating. | 2 | 5 |
| 16. | Workshop | 2 | 2 |
|  | Total Periods. | 38 | 38. |

## (Revised) DISTRIBUTION OF MARKS FOR THE OVERSEER COURSE DURING THE FIRST AND SECOND YEARS.

| Item No. | Subject. | 1st year. |  | 2nd Year. |  | Total. |
|---|---|---|---|---|---|---|
|  |  | Sessional Work. | Examination. | Sessional work. | Examination. |  |
|  | **BRANCH I.** |  |  |  |  |  |
| 1. | Mathematics. I | 25 | 100 | -- | -- | 125 |
| 2. | Mathematics II | 25 | 100 | -- | -- | 125 |
|  | **BRANCH II.** |  |  |  |  |  |
| 3. | Survey Theory | 25 | 100 | 25 | 100 | 250 |
| 4. | Survey Field Work. | 50 | 100 | 50 | 100 | 300 |
|  | **BRANCH III.** |  |  |  |  |  |
| 5. | Applied Mechanics and Graphic Statics. | 25 | 100 | 50 | 100 | 275 |
| 6. | Building Materials & Building Construction. | 25 | 100 | 25 | 100 | 250 |
| 7. | Roads and Earth Work. | -- | -- | 25 | 100 | 125 |
| 8. | Hydraulics. | -- | -- | 25 | 100 | 125 |
| 9. | Irrigation | -- | -- | 25 | 100 | 125 |
| 10. | Sanitary Engineering. | -- | -- | 25 | 100 | 125 |
|  | **DRAWING AND ESTIMATING.** |  |  |  |  |  |
| 11. | Model Drawing and Geometrical Drawing. | 50 | 100 | -- | -- | 150 |
| 12. | Machine Drawing and Mechanical Engineering. | 50 | 100 | -- | -- | 150 |
| 13. | Building, Bridges & Irrigation works. | 50 | 100 | 50 | 100 | 300 |
| 14. | Estimating. | 50 | 100 | 50 | 100 | 300 |
| 15. | Workshop Practice. | 25 | 75 | 25 | 100 | 225 |
| 16. | Physical Exercise. | 25 | -- | 25 | -- | 50 |
|  | Total. | 425 | 1075 | 400 | 1100 | 3000 |

**Examinations:** In order to pass the Sessional examination at the end of the first year, a student must obtain not less than half the total marks awardable during that year (class marks and examination marks taken together). To pass the examination at the end of the second year, a student must obtain not less than half the total marks awardable during that year (class mark and examination marks taken together) and in addition, must obta not less than 33% of marks assigned to each Branch in the whole course, except branch II in which he must obtain not less than 33% marks in each year's course.

39B (39) 48

Copy of letter No.4626/47-A-1 dated 20th September 1947 from the Chief Engineer for Irrigation, Chepauk, Madras, to the Principal, College of Engineering, Guindy, Madras.

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Sub: Starting of Overseer course in the Guindy Engineering College
Ref: Your letter No.1-73-B/47 dated 12-9-47.

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I have gone through the syllabuses of the proposed overseer's course and the arrangement for conducting the classes. They are generally suitable, but the following small additions may be made. Under the head "Irrigation" the methods of calculating run offs from catchments, gaugings of streams, rating of meters, preparation of hydrographs and working tables of tanks or reservoirs may be included. It would ~~be~~ in general be desirable to cover the Ellis Irrigation Manual, omitting the really advanced protions. Similarly, in Hydraulics, I would prefer the entire portions in Col.Love's book on Hydraulics being covered.

2. I would suggest that a few lectures six in the whole course may be given in Mechanical Engineering to enable the candidates to get an elementary knowledge of the different types of boilers, prime movers, general principles of working of pumps Int.combustion and steam Engines and know the uses of workshop machinery etc.

3. I am anxious that the candidates should have a thorough grounding in surveying and levelling. With this end in view, greater attention may have to be paid to the practical and theoritical side of the course and the candidates should be made to pass compulsorily the test in Surveying and levelling.

4. My idea in proposing the course of a two and half years duration was to allow some time for the students who are raw young men from the schools, understand what they are to study and get used to handling of mathematical and Engineering instruments. In this period, their uptake will be poor and they will not be fit for strenuous Engineering course starting immediately on joining the College. However, in view of your suggestion to reduce the vacation, increase the number of instruction hours per week and the need to get these qualified men urgently, for service, I agree to the compressing of the course to two years for the immediate present. After one or two years of working, if it is found necessary we can then lengthen the course suitably. The first course may begin as you say in October 1947 and end by October 1949 and the others may run from July to May - only school final eligible candidates should be admitted to the course.

5. I consider that for the present no separate practical training is necessary for the students. They may be appointed straight away as Draftsmen or Overseers. The first six months of their service need not be considered for probation or increment. This would practically serve the purpose of practical training.

6. As for the staff required, the P.W.D. will try to meet the demand as far as practicable.

7. As regards accommodation for the students it is highly desirable to get the holiday camp. I think this is fairly a big camp, and even a portion of it reserving other protions for refugees, would be sufficient for your present needs.

Sd. M.D. Narasimhachari,
For Chief Engineer for Irrigation.

/True Copy/

40

WOB

SECRETARY, EDN. AND P.H.
26 SEP 1947

College of Engineering, Guindy,
Madras-15. Dated: 26-9-1947.

Rc.No.1-73 B/47.

To
The Chief Engineer for Irrigation, P.W.D.,
Chepauk, **MADRAS.**

Sir,

Sub: Starting of Overseer course in the Guindy Engineering College.

Ref: Your letter No.4626/47-A-1 dated 20th September 1947.

The additions suggested by you under Irrigation in the original syllabus of the Overseer course have been made and slips containing the additions are enclosed herewith, which may please be pasted at the placed indicated in the slips.

2. The subject, Machine Drawing, on page 10 of the original syllabus has been altered to Machine Drawing and Mechanical Engineering, with a view to incorporate the portions of Mechanical Engineering suggested for inclusion by you. As suggested by you, six lectures will be delivered in Mechanical Engineering. A slip giving the relevant syllabus is enclosed herewith, for pasting at the appropriate place~~s~~ specified in the slip. It is requested that the heading Machine Drawing, wherever it occurs in the original syllabus, may be altered to Machine Drawing and Mechanical Engineering.

3. The importance of Surveying, pointed out by you, had already been appreciated in drawing up the Overseer course, and two days per week were allotted for Survey Practical, as against one day per week in the L.C.E. and B.E. courses. The proficiency of the students in Surveying will depend upon the individual attention which could be given to them in practical classes. The same applies to practical classes in Drawing and Estimating and it is most important that we should have sufficient staff. I have asked for one Instructor and four Assistant Instructors, as in my opinion, this is the minimum staff necessary for such an intensive course.

4. I welcome your suggestion that pass in Surveying should be compulsory. This has been done by putting Surveying in a Branch by itself, instead of including it in Engineering along with a large number of subjects, and by specifying that a student must get not less than 33% marks in that Branch in each year's course, as against the existing rule in the College or requiring a student to secure not less than 33% marks in the subjects in the Engineering group in the whole course. The revised distribution of marks and regulations with regard to passing, are given in the attached sheet. This supercedes the distribution of marks etc., in the original proposal sent with my letter of 12th September 1947.

5. I note that you are xxx agreeable to the duration of the Overseer course being 2 years for the immediate present. The question of lengthening the course can be considered after some years' experience.

6. With regard to your suggestion that only school final eligible candidates should be admitted to the Overseer course, I would say that only school final eligible candidates who have Mathematics as optional, will be admitted to this course. This was specified in the advertisement calling for applications. A large number of candidates with this qualification have applied for admission.

7. I have sent proposals to the Government for sanction of an Instructor with B.E. qualification from the cadre of Assistant Engineers in the P.W.D., and four Assistant Instructors with Upper Subordinate or L.C.E. qualification from the cadre of Supervisors in the P.W.D. The Instructor will deliver all the lectures in Engineering subjects and have general supervision over practical work. I do not think it desirable to entrust lecturing work to Assistant Instructors of U.S. or L.C.E. qualification. The Assistant Instructors will be engaged in practical classes in Surveying, Drawing and Estimating. As mentioned above, the efficiency of instruction in practical classes will depend upon the individual attention that can be given to the students, and in consideration of this, I have provided one Assistant Instructor for every 25 students. The number of students per As-

50

Assistant Instructor is much larger than what I would like it to be. But, in view of the shortage of technical personnel, I have found it necessary to limit the staff to the minimum possible. Instruction in practical classes will not be efficient if an Instructor has to look after more than 25 students in practical classes. As already mentioned in my letter of 12th September and also in my proposals to the Government, the entire staff will have to be obtained from the P.W.D.

8. If orders of the Government sanctioning my proposals relating to the starting of the course are received in the course of a week, it would be possible to start the course by the middle of October 1947, provided the staff is available by that time. I would therefore request you to make tentative arrangements for posting an Assistant Engineer with B.E. qualification as Instructor and four Supervisors with U.S. or L.C.E. qualification as Assistant Instructors. I would like the Assistant Instructors to have at least 5 years practical experience. It would be desirable if two of them have considerable experience of Drawing Office work and the other two, of executive work.

9. I was informed by the Secretary to Government, Education Department, that the Holiday Home will not be available and I thought at one time that it would not be possible to conduct the Overseer course this year. However, a scrutiny of the applications received, shows that there were 66 duly qualified applicants who are residents of Madras and suburbs. The Teachers' College, Saidapet, could spare accommodation for 24 students in its hostel and I could accommodate 16 students in the out-houses of my bungalow. I have therefore suggested to the Government that the only way of starting an Overseer course with 100 students this year, was to admit 60 students who are residents of Madras or suburbs and who can attend the College as day-scholars and the other 40 from the mofussal. I hope the Government will accept this proposal. If they do not, we shall have to start with a class of 40 or 50 students.

10. However, we still want the Holiday Home, in view of the fact that the students of the Overseer course have to attend the college ~~every day~~ at 6-30 a.m. on all working days and this will be very inconvenient for day-scholars as well as students residing in the Teachers' College Hostel. Moreover, the Guindy College Hostel is extremely congested and about 200 of the current students are already obliged to attend the college as day-scholars owing to lack of accommodation in the hostel. If the Holiday Home is made available, accommodation for about 300 current students of the College as well as the 100 Overseer course students could be provided. In this connection, I may mention that I have received a request from the Government of East Punjab and the Government of India to admit as many Sikh and Hindu refugee students from the Punjab, whose engineering education has been interrupted. We shall have to take as many of these as we possibly can. But the bottleneck would be acute shortage of residential accommodation. Our problem will be greatly simplified if the Holiday Home is made available. I would therefore request you to continue with your efforts to get the Holiday Home.

PRINCIPAL.

Encl.:

Copy to the Director of Public Instruction, Madras.

Copy to the Chief Engineer (General), P.W.D., Chepauk, Madras.

✓Copy to the Secretary to Government, Education and Public Health Dept., Fort, St.George, Madras.

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UIB

A (xi) IE 51

ASST. SECRETARY TO GOVERNMENT
5-OCT
EDUCATION AND PUBLIC HEALTH DEPT.

EDUCATION DEPARTMENT.

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.

R.O.C.No.1090-K2/47 dated 3-10-1947.

Sir,

Sub: Training of Engineering subordinates.
79372 p10 ante -REF: D.O.No.58770-9/47-A Edn., dated 10.9.1947.

p14 c.f. in L.7

p28 ante

I have the honour to invite the attention of Government to letters Rc.No.1-73-B/47 dated 22-9-47 and 24-9-1947 from the Principal, College of Engineering, Guindy, copies of which have already been submitted to Government direct and to request that orders may kindly be issued on the points indicated by the Principal. The cost of starting the overseer's course in the College of Engineering Guindy next year in place of the present L.C.E. course will be obtained and submitted separately.

2. The Principal, Arthur Hope College of Technology, Coimbatore reports that as the College lacks drawing and lecture halls and other accommodation facilities, it will not be possible to start the overseer's course in the current year. He has, however, been requested to state whether it can be started in the College next year. His reply is awaited. The Principal, Engineering College, Cocanada has reported that due to insufficient accommodation it will not be possible to start the course in the college.

3. With regard to the hostel for the students, I have ascertained from the Principal, Teachers' College, Saidapet, that there will be no difficulty in providing accommodation for 24 students in the 12

p.t.o.

....2....

12 vacant rooms in the College Hostel. As suggested, by the Principal, College of Engineering, Guindy, the outhouses attached to his quarters may also be made available to accommodate 16 more students. As there is hostel accommodation only for 40 students, I recommend that the proposal to admit to the course 60 student who are residents of Madras and suburbs and 40 from the moffussil may be accepted.

4. I request the favour of early orders.

for Director of Public Instruction.

Ram. 3/10.

6/10

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Issued by messenger

M 30/10/47

42B

(X2)

Edn and P. H. Dept

College - Eng: Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course Orders passed.

Letter from the D.P.I. No: 1090-K2/47. dt 3.10.47.

Order No. ~~(Edn.)~~ 2297 Edn. dated 30-10-47.
MS

To D.P.I.
" Principal, Engg College, Guindy,
and Principal Teachers' College Saidapet,

pp 51 cf

(A)

The Govt direct that the L.C.E course now conducted in the Eng: College, Guindy, be abolished from July 1948 and that an Overseers' course of two years duration be started instead. The Students already undergoing the L.C.E course will be allowed to complete their course.

2 The Govt have decided that the L.C.E course conducted in the Govt Polytechnics should also be abolished and an overseers' course similar to that to be ~~opened~~ started in the Eng: College, Guindy should be started in the Polytechnics ~~also~~. Formal orders in this regard ~~will be~~ have been issued in the Dev dept. in Go No 4474 Ms Dev dt 15 9 47. The new course in the Polytechnics will also be designated as the "overseers course".

pp 33-47 cf

3 The syllabus and distribution of marks proposed by the Principal, Eng: College, Guindy for the overseers' course are approved. The DI & C is requested to adopt the same Syllabus in the Polytechnics under his control.

4 A course for the ~~overseers~~ will be started in the Eng: College, Guindy, immediately. One hundred Students will be ~~[illegible]~~ admitted to the course ~~- 40 Students from the mufassal and 60 Students from Madras and its suburbs~~. The instructions issued by Govt in regard to admissions to the Engineer class should be followed as far as possible.

As it is possible to provide hostel accommodation only for 40 Students, 40 Students belonging to the mufassal may be selected, the remaining 60 being those belonging to Madras and its suburbs. More mufassal students may be selected against the city seats also if they can make their own arrangements for lodging and boarding.

5 The minimum qualification for admission to the overseer's course will be S.S.L.C (eligible

6 Fees should be levied from Students at Rs 36/- per session besides such other special fees ~~[illegible]~~ as the Students of

pp 31 cf

~~27~~ other courses in the college are liable for.

7 The Govt approve the proposal of the Principal, Eng College, Guindy, that for the present the 40 mofussil students may be accommodated in the hostel attached to the Teachers' College, Saidapet and in the outhouses of his quarters. p 31 cf

8 Sanction is accorded to the employment of the following addl staff in the Eng. College, Guindy, in connection with the opening of the overseers' course:— p 31 c

One Instructor with B.E. qualification (from the cadre of Asst. Engrs in the P.W.D. till April 1949.)

Four Asst Instructors with Upper Subordinate or L.C.E qualification (from the cadre of Supervisors of the P.W.D till April 1949.)

Two peons till April 1949.

Two Sweepers till the end of ~~1949~~ April 1948.

9 Sanction is also accorded to the incurring of an expenditure not exceeding Rs 200 in the current year for the purchase of apparatus and materials required ~~in~~ for ~~connection with~~ the overseers' course.

10 Sanction is also accorded to an expenditure not exceeding Rs 500 in the current year for electrical and other repairs to the outhouses of the Principal's Quarters. The E.E. is requested to see that the repairs are carried out immediately.

11 Rent should be recovered from students who are provided with hostel accommodation at the usual rates.

12 The addl expenditure in the current year will be met from the head: 37.d - Edn

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3 55

(1X3)

43B

University - Govt Professional colleges - B. Eng. college". The A.G. is requested to admit the expenditure in audit pending provision of funds.

[illegible] 11/10/47.

[illegible] 11/10/47 [illegible]

To
The D.P.I.
" C.E. (Genl)
" Director of Industries & Commerce (with copy of syllabus & distribution of marks)
" Dev. Dept (do)
" P.W. Dept
" A.G. (this Pr.)
" D. of P.I. & S.
" Principal, College of Eng, Guindy
" " , Teachers' College, Saidapet

Copies to all except D/C & Dev't Depts [illegible] 30/10

p34-43 c.f.

p47 c.f.

[illegible] 11/10

6 8/c.

Copies to C.E. (Genl) and D.I.P and P.D. [illegible] 30/10

44B

(LXX)

Edn and. P. H. Dept
A

Extracts of the minutes of H. M. (Edn) from
(a) Go no: 1475 Edn of 8. 7. 47.

At the informal meeting of the Cabinet held yesterday it was decided that the L.C.E course need not be abolished.

It was also considered that in view of the large number of Engineers that we are training whether we would require a larger number of junior officials who would help these Engineers to do their work. In fact, while we are able to get many Engineers now, we have not been able to get overseers or Supervisors and so, the Cabinet decided at the informal meeting of the Ministers that we should also make an attempt to serve these overseers and Supervisors Schemes may be forwarded for such training

B

T. S. A.
8. 7. 47.

The question at B may be taken up separately for consideration.

M. V. S
8. 7. 47.

ROC-58438B/47

Extracts of minutes of H. Ms in the P. W. D. file regarding re-employment of Sri A. Krishnamurthy Ayyar as Supervisor.

"The P. W. D is in need of 500 supervisors for its different sections for the several schemes and projects we have taken up But we have been able to secure only 100 including the raw graduates from the

2

~~E-III~~ ~~A~~

Eng: colleges".

M. B.
11.6.47.

What steps have been taken so far to remedy the shortage? Proposals may be put up urgently to train 300 lower subordinates and 200 upper subordinates on a short term course.

Instead of training more engineers, we must have more overseers and supervisors

G.P.R
6.7.47

× × × × × ×

Regarding the proposal of H.P.M to have short term courses to train overseers and supervisors I have already discussed the matter with H.M (Edn) who is examining the same for necessary action

M. B
8.7.47.

Edn and P.H. Dept

A draft memo to the D.P.I is subd.
P.W.D and Fin may see before circulation

18/7/47

18/7/47 S

21/7/47

58770

E.P.H. u.o. 58770-1/47A
dated 21.7.47

P.W.D

Fin.

P.W.D

ASST. SECRETARY TO GOVERNMENT
22 JUL
EDUCATION AND PUBLIC HEALTH DEPT.

ASSISTANT SECRETARY TO GOVERNMENT
21 JUL 1947
4051
PUBLIC WORKS DEPARTMENT

May be perused & ~~returned~~ passed on to ~~Edn & PH.~~ Finance. ~~[illegible]~~
Edn & P.H. may be requested to circulate the file to Hon (PW) also.

21.7.47

21/7

~~E & P.H~~

Fin

(E III)

P.W.D. u.o. 4051-A/47-1
21.7.47

May be perused and returned ~~to E.P.H.~~
(No remarks are called for at this stage)

DR
21.7.47

22.7.47 EPH

ASST. SECRETARY TO GOVERNMENT
43411 E III
21 JUL 1947
FINANCE DEPARTMENT

D.S.
E.P.H.

Fin. u.o.
43411 E III - 7
22.7.47

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453

(8)

Ed P.H. A.

The file may now be circulated to H.M.(Edn) & H.M.(P.W.).

23/7/47 S

24/7/47

H.M. (Edn)
H.M. (P.W.)

24/7

I understand that the need for Supervisors ~~xxxx~~ is urgent and must be immediately arranged for and so the D.P.I. may be asked to put up proposals for training increased number of supervisors in the various Engineering Colleges and for that purpose he may be asked to submit ~~[illegible]~~ proposal to be included in the Part II Scheme for this year.

TSA
24.7.47

24 JUL 1947
GOVERNMENT OF MADRAS

The draft may go
M.B 24/7

P.L-2

[ Issued as Memo. No. 58770-2/47A. Edn. d. 24.7.47. ]

**Immediate.**

**Secy., E.& P.H.**

Please see herewith the note of the H.P.M. He is anxious that overseers' training should be started within this year, if possible. The Principal of the Guindy College and the D.P.I. may be asked to meet me in this connection on the 9th at 3.30 P.M. The matter may be treated as urgent.

TSA
7.8.47

H.M.Education.

63936
7 - AUG 1947
GOVERNMENT OF MADRAS

I have shown to the DPI. He this to would have views & bring the Principal along.

7/8/47.

7.8.47

8/8/47

May be circulated to H.M. (Edn).

8/8/47 S

Hm (Edn)

8.8.47

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

OS 9

I had a talk with the D.P.I. and Dr. Rudra, Principal of the Guindy Engineering College. They say that with the present strength of the Engineering College doubled because of the presence of the students of the Anantapur College and also some students from the Coimbatore College, the Guindy College cannot admit of any more increase and it will not be possible to admit more students for these Lower Subordinate and Overseers Courses. The Engineering College accommodation has already suffered and it will not be possible for them to give more accommodation for these students also.

In the circumstances, I think we may ask the Annamalai University to run these courses. They were training Minor Irrigation Overseers for which the Government have paid them a large grant to put up fresh buildings, etc. That course has now been stopped. Instead of that course, we can ask them to run these courses. With a view to discuss with the Principal of the Annamalai University Engineering College, I am asking the D.P.I. to write to the Vice Chancellor to send the Principal of the Engineering College here so that we may talk over with him on the 20th inst. and fix up the matter.

This file may be put up on that day

TSA
13-8-47

This file may be submitted to H.M. (Edn)

19/8/47

19/8/47 S/H

19/8/47

H.M. (Edn.)

I have had again a talk with the D.P.I., the Vice-Chancellor of the Annamalai University and Professor Rudra, Principal of the Guindy Engineering College, to-day over the matter of training sub-ordinate Engineering staff. The matter may be viewed as short range for supply of immediate officers and long range for training them on a permanent basis.

(Contd.)

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For the short range and immediate supply of these sub-ordinate Engineering personnel, Professor Rudra has made the following suggestions:

" I have suggested to the Chief Engineer, P.W.D. to employ students who have failed in the second year Licentiate class and the third year Engineer class of this College. There were 27 of the former and I understand that they have been offered employment as draughtsmen by the P.W.D. I do not know how many of the failed students of the third year Engineer class have been offered employment. I, however, do not think that many of them will accept employment as, according to the revised regulations of the University of Madras, they are permitted to proceed to the fourth year class and take the third and fourth year examinations simultaneously.

I understand that the 12 of the 70 students of the Road and Minor Irrigation Overseers course of the Annamalai University Engineering College who have passed the examination, have not been employed by the P.W.D., as their eligibility for appointment is still under correspondence. I suggest that these 12 men may be made eligible for regular appointment as draughtsmen. The 58 students who have failed are of about the same class as the students of this College who have failed in the second year Licentiate class and I suggest that they should be appointed as draughtsmen under 9(a)(i).

There are over 30 men who were trained as surveyors under the War Technicians Training Scheme. To fit them up for civil employment after the War, the trainees were given training in drawing and estimating besides surveying. The majority of these men are unemployed and I suggest that they may be employed as either surveyors or draughtsmen. They are fully competent to do Surveyor's work. If employed as draughtsmen, the officers of the P.W.D. will have to train them up. The Engineering Colleges should start summer schools for training these surveyors and other unqualified men that the P.W.D. may have been compelled to employ. While these men are attending the summer schools, their places can be filled by students from the Engineering Colleges, who would be on vacation during that time. The students of the Engineering Colleges would not only thus get practical experience, but would also be self-supporting.

About 300 draughtsmen were trained at the College of Engineering, Guindy for the Army. They were given training in Mechanical Engineering and Civil Engineering draughtsmanship, but did not do any surveying. Many of them have found employment in the P.W.D. and other bodies, but a number of them may be unemployed. I suggest their employment as draughtsmen by the P.W.D. They do not possess the knowledge required for draughtsmen in the P.W.D., but like the Surveyors referred to above, they will have to be trained by the P.W.D.Officers and made to attend the summer schools proposed above.

If my proposals submitted above are accepted, about 150 of them may become available to the P.W.D. within a few months. They must either have these men or do without them as no other technical personnel better than these are available in the country."

For the long range policy of training men on definite basis, we require buildings and personnel to train them. If some of the military buildings in Coimbatore, Cocanada or any other place are placed at the disposal of the department, I think these can be arranged for, but, in the meantime, we must have the number of trained supervisors and draughtsmen that we require. I believe that a large number of these people will be required, as our various irrigation projects come into action. With the acquisition of Zamindaris, a lot of surveyors etc. will be necessary for the Revenue Department also. I understand many of the subordinate Engineering staff willbe required for Municipalities also for sanitary and other Engineering works. If the needs could be assessed and told, this department can set about organising full fledged school for training these personnel.

H.M.(P.W.) and H.P.M. may see.

TSA
20-8-47

20 AUG 1947

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The file may be circulated to H.M. (P.W.) and H.P.M.

21/8/47

H.M. (P.W.)

H.P.M.

1 - SEP 1947
GOVERNMENT OF MADRAS

The C.E.(I) may be asked to offer his remarks on the proposals referred to above. It would be better to have an early joint discussion with the Principal & the C.Es.

M.B. 22/8.

The meeting may be on 1st September at 2-30 P.M. in my room. The Principal, the C.Es, H.M.S (Fin) (Education) and (P.W.) may be present

O.P.R
27/8

This was received only today (at 12.15 P.M.). Apart from that, H.M. (Edn.) is away & is leaving [illegible] only on the [illegible] & H.M. (P.W.) is also away & is due to return on the 9th. It is necessary, therefore, that another date may be fixed.

1/9

H.M.

3 p.m on 2-9-47.

O.P.R
1/9

1 - SEP 1947
GOVERNMENT OF MADRAS

5-6 CF

Please see below the summary I have drawn up of the conclusions arrived at the conference. Take copies of it to be sent to all those who were present at the conference & to H.M. (Edn.). Then please take action quickly on the points arising. (The Principal was asked to let us [illegible] [illegible] in [illegible]

8

In the course proposal to the Master [illegible] with Holiday Camp. The Principal has sent a letter direct with an [illegible] of [illegible] – but a proper direction may be given to the D.P.I. also on the point. I [illegible] to D.S. PWD (at the instance of H.M. (P.W.)) about the "Holiday Camp"; to send the [illegible] here is [illegible] description & location [illegible]; College [illegible] through the Principal of the [illegible] Engineering College.

[illegible]

Copies of the summary have been taken and kept below:-

Covering notes for sending copies to H.P.M., H.M.(P.W.), H.M.(Finance) and H.M.(Education) are put up. A copy of the summary may be sent to H.M. ( Industries) also. /R

A draft D.O. enclosing copies to the Chief Engineers and the Principal is also submitted.

A letter since received from the Principal about the location and description of the 'Holiday Camp' was handed over to the Deputy Secretary, P.W.D., as ordered by the Secretary. /M

This Department has to take action with reference to proposals 'A' B and 'C' at page 5 cf. A draft D.O. to the D.P.I. is put up. /X Development has to take action with reference to the opening of the Lower Subordinate course in the Polytechnics and P.W.D. with reference to 'E'. Copies of the summary may be sent to Development and P.W.D. Draft U.O. notes are put up. P.W.D., Development and Finance may see (for acceptance of draft D.O.) before circulation. issued /Y

ASM
3/9/47 S

W
3/9/47

Dev:
P.W.D.
Fin.

issued
U.O.'s of D.M.'s
[illegible] Draft ! /Z

To H.S.

Notes from p 1 ante may be perused. ~~With refer~~ As regards X above, necessary action will be taken on receipt of a copy of the U.O. note ~~put up below~~ referred to at 'Y' above. ~~as is re in this dept.~~ as a summary of the decisions has been sent to H.M.(I) also.
No other remarks are called for at this stage. Hence the file may be passed on to P.W. Dept.

ASM 5-9-47

ASM
5.9.47

84305
UNDER SECRETARY
5 SEP 1947

E.P.H. U.O. 58770-6/47 H
dated 4.9.47

Devp. U.O. 84305

PUBLIC WORKS DEPARTMENT
SEP 1947

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PWD

(1)

To A.S.

Notes from p 1 ante may be perused. This deptt is concerned with the conclusions at E on p 6 cf. As regards this, necessary action is being taken in ~~the~~ ~~L.F. below~~ case 4994/47.

(will be ordered to D.S. on Tuesday)

With these remarks the file may be passed on to Fin.

[illegible] 6.9.47 Fin.

SV
6/9/47

[illegible]
6.9.47

PWD 5004 L/47
6-9-47

Fin E3

Please see the summary of ~~discussions~~ conclusions arrived at at the conference on pp 5-6 CF held on 2.9.47 by H PM, H M (PW), H M (Finance) [Secretary EPH, CE (GL); CE (I) and the Principal of the Engineering college were also present]

pp 5 CF

53593
SEP 1947
FINANCE DEPARTMENT

The proposals ~~to be taken up are~~ relate to:-

pp 5-6 CF

1) training of 100 pupils for a new course 'lower subordinate course' in the college of Engineering, Guindy if the 'Holiday Camp' were made available (a letter on this received from the Principal has it is stated been handed over to DS PWD).;

see 'M' on p 8 above

2) ~~post~~ starting of the lower subordinate course in the college of Engineering, Guindy next year in the place of the existing L.C.E. course, ~~with~~ and similarly in the other Engineering colleges at Coimbatore and Cocanada ~~and the~~ feasibility of opening such course in the latter two colleges immediately ~~is also to be considered~~.

3) Starting of Lower subordinate course in the Polytechnics.

4) the pay to be allowed for the candidates who take the new course when employed as overseers ~~[illegible]~~.

As regards (1) and (2) EPH propose to call

W 15/9

r proposals from the D.P.I. - see Draft-II ~~att~~ below.
regards (3) Dept will take separate action - see the
ept note at the bottom of p.8 above. Regarding (4)
we state that necessary action is being taken

No special remarks are at present called for ~~when~~ after definite proposals are received from the relevant Heads of Depts & examined in the Administrative Depts of the Secretariat. These will no doubt be sent to this Dept for examination.
( A copy of the conclusions on pp 5-6 cf has been sent to H.M. Finance)

5.9.47

8.9.47 9.9

Edn and P.H. Dept

The Principal, Eng: College, Guindy, has since sent a draft advertisement for govt. approval calling for applications for the new course. The file has been circulated to H.M. (Edn) and Finance. For orders as to circulation.

9/9/47

9/9/47 S

(Notes from bottom of p. 7 ante)

9/9/47

H.M. (Edn.)

TSA

10-9-47

Issued as D.O. No. 58770-9/47A Edn. dated 10.9.47.]

The file may now be circulated to H.M. (Ind.), H.M. (Fin), H.M. (P.W.) and H.P.M for perusal of the notes from page 7 ante)

11.9.47

11.9.47

S

11/9/47

10 SEP 1947

10 SEP 1947

11/9

H.M. (Ind.)

H.M. (Fin.)

H.M. (P.W.) ✓

H.P.M. O.P.R 13/9

MB 15/9

12.9

see P.W. note on p

see P/cm

53593
9.9.

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(A. Draft) and

C. No: 71206 E.

C. No: 71205 A. From the Principal, Eng. College, Guindy d/ 5. 9. 47.

Edn and P.H. Dept

A

Training of Eng: Subordinates

Please see the letters from the D.P.I. and the Principal, Eng: College, Guindy and the remarks of the Secy: on pp 15-19 ~~to~~ cf.

The main file on the subject was sent to Dev, P.W.D. (Dispensals) and Finance with Edn and P.H. D.O. No: 58770 A-6/47 d/ 4.9.47. It is understood that the file is now in P.W.D. (Dispensals). The P.W.D. (Dispensals) may be requested to ~~transmit the~~ pass on the file to Finance as quickly as possible. A draft D.O. note is subd.

As the matter is very urgent the suggestions of the Principal at A and B on pages ~~3-4~~ 16-17 cf may be approved, ~~and~~ the Principal may also be authorised to ~~[illegible]~~ advertise the matter as suggested by him ~~at~~ in the last para of his letter on page ~~4~~ 17 cf.

The Principal wants to call the new course as an "overseers' course" and not as the "Lower Subordinate course" as decided at the ~~recent~~ conference held recently. For orders whether the Principal's suggestion may be approved.

It is understood that the H.P.M. returns from tour on 9.9.47, H.M. (P.W.) on 10.9.47 and H.M. (Edn) on 7.9.47. H.M. (Fin) is here. Perhaps the file may be circulated to H.M. (Edn) and H.M. (Fin) for orders, and the file may be circulated to ~~the other Ministers~~ H.M. (P.W.) and H.P.M. afterwards.

Fin may see before circulation.

6/9/47

6/9/47 S

6/9/47 Fin.

Reminded for issue

In copy. Circ. fee may be for the course as suggested by him

This can be settled on the main file; but the approval of the advertisement is to call it "overseer's course" as suggested by the Principal.

53344
6 SEP 1947

P.H. D.O. 58770-7/47A dated 6.9.47

12

Fin (Accts. A).

The proposal to fix the fee per session for the "new Overseers' course" at Rs. 36 may be accepted in Finance.

6/9/47

vide 'M' on pp. 3-4 c.f. of EP H file

The scheme was decided at a conference including HM (Fin).

The annual tuition fee of Rs 36/- per session proposed may be accepted in this Dept in view of the reasons given at M on pp 3-4 C.F.

The waiver of collection of "registration fee" is to be only for this year's course – page 1 C.F.

EPH propose to circulate the file to HM (Fin) – p. 11 above.

(A) 7.9.47

7.9.47

Addl Secy 7.9.47

E.H.

Fin u.o 53344 AA-1 dated 7-9-47.

**Edn and P.H. Dept**

May be circulated to H.M. (Edn), ~~and~~ (Finance). ~~and H.P.M.~~

8/9/47

9/9/47

S 9/9/47

H.M. (Edn) ✓

H.M. (Fin) ✓

HPM has ... 9/9

9.9.47

11.9

SECRETARY, EDN. AND P.H. DEPT. 11 SEP 1947 GOVERNMENT OF MADRAS

The Principal, Engg. college, Guindy has already advertised calling for applications for admn. to the course. This action may be approved.

please see papers placed below

A draft ~~D.O.~~ Memo is subd. for approval. [Issued as Memo No. 58770-11/47 A Edn dated 12.9.47]

After issue, H.M. (P.Ws.) and H.P.M. may see.

12.9.47

12.9

SECRETARY, EDN. AND P.H. DEPT. 15 SEP 1947 GOVERNMENT OF MADRAS

14/9

H.M. (P.Ws.) H.P.M.

G.P.R. 15/9

12/9

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13

E.P.H. (A)

5OB

Sub: Training of Engineering Subordinates.

p22-23 of C.no. 71370A 47 from the C.E. (I.) D.O. No. 14/47 CP dated 6-9-47

With reference to Secy's orders at 'K' on p2 c.f., a draft D.O. is submitted for approval.

2. A further D.O. letter from the C.E. (I.) since received on p2 c.f. may be perused. For orders whether any addition should be made to the draft w.r.t. this.

As regards A on p.27 of c.f. attention is invited to the advertisement since published by the Principal. The Principal has stated that candidates should be S.S.L.C. (eligible). In the circumstances it does not seem necessary to take any further action on this point. For orders.

After issue the file may be sent to P.W.D. for taking relevant extracts.

I have altered the draft

ASSISTANT SECRETARY TO GOVERNMENT 12 SEP 1947 5774 PUBLIC WORKS DEPARTMENT

11.9.47

p18 CF

11/9/47

[Issued as D.O. No. 58770-14/47 A dated 12.9.47]

12/9

issued

E.P.H. u.o. 58770-12/47 A dated 12.9.47

14

A

PWD

To D.S.

Please, see the ~~D.O.~~ CE (I)'s D.O. letters (at pp 22-23 cf) to Secy. E&PH and his reply thereto at p 24 cf. Copies of the D.O. letters and the notes on p lante may be taken and added to the linked file below regarding conclusions 6-87 arrived at at the conference convened by the Premier on 12.9.47.

8V 12.9.47 The CE (I) has already been asked in the l.f to offer his remarks & it is presumed that Sri A.R. Venkata Acharya who will be CE in charge of estt. from 16.9.47 will reply to that effect.

The file may be returned to Edn & PH

14.9.47

ASST. SECRETARY TO GOVERNMENT
25565
15.9.47
EDUCATION AND PUBLIC HEALTH DEPT.

PWD No 5171/47
29.9.47

A.L. 15/9 Edn P.H

These papers may be added to the main file.

24.9.47 24/9/47

25-9-47

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51B

(51)

13

Edn and P.H Dept.

p 51 cf C. No: 79372 A. From the D.P.I. No: 1090 K2/47
dt 3.10.47

The file relates to the training of Engineering Subordinates.

On 2.9.47, a conference was held by the H.P.M. to ~~settle~~ discuss the question of training larger number of Eng: Subordinates. H.M. (P.W.), H.M. (Fin), Secy, Edn and P.H, C.E (Genl), C.E (I) and the Principal, Eng. College, Guindy were present.

The conclusions arrived at at the conference are ~~at~~ Ⓐ on pps 5-6 cf

The Principal, Eng College, Guindy has already published a notification in the newspapers calling for applications for admission to the new course. His action has been approved. He has now forwarded proposals for opening the course. These proposals have been framed in consultation with the C.E. (p 18 cf; pp 28-32 cf)

Name ~~[illegible]~~ and duration of the course

pp 5-6 cf At the conference it was decided that the L.C.E course should be abolished in the Eng College, Guindy and in the Polytechnics from next year and a course called the Lower Subordinate Course of 2½ years duration should be started instead. It was also decided that the new course should be started immediately in the Eng College, Guindy and also in the other Eng colleges (Coimbatore, Cocanada ~~[illegible]~~) if possible immediately.

The Principal Eng College, Guindy

recommends that the course may be called pp 19 + 28 CF
the 'overseers course' and that for the
present the duration of the course may be p 48 CF
restricted to 2 years. The C.E agrees with
the Principal. The Principals recommendation
may be accepted. W/

The D.P.I says that he has consulted p 51 cf
the Principals of the Coimbatore and Cocanada
Colleges ~~[illegible]~~
in regard to the opening of the new courses in those colleges
and that both of them are of opinion that
it is not possible to open the new course
in their colleges now ~~for the present~~. The proposal
to open the new courses this year in the Eng colleges
at Coimbatore and Cocanada ~~[illegible]~~
may be dropped. W/

Extracts of the conclusions arrived at
at the conference have been sent to
Dev. That dept is taking action about the
opening of the overseers course in the
polytechnics from next year.

Syllabus

The Principal has framed a syllabus
for the new course in consultation pp 33-43 CF
with the C.E. This may be approved. W/

Accommodation

The original idea was to accommodate the p 5 CF
students to be admitted for the overseers'
course in the Guindy College in the "Holiday disliked
Home" near the College. This building is not LF
yet available. The Principal has therefore
suggested that out of the 100 students to be
admitted 24 may be accommodated in p 14 cf
the Teachers College hostel, Saidapet and LF
16 in the outhouses of his quarters; the disliked
remaining 60 will be those who belong to Madras
and its suburbs and they will be day scholars.
In view of the acute scarcity of accommodation
the arrangements suggested by the Principal may
be approved. W/

---

Qualification for admission to the Course

pp 18 + 28 cf 52B The Principals' suggestion that the
minimum qualification may be S.S.L.C.
(eligible) may be approved. W/

Tuition fee Principal's proposals may be accepted p 31 cf W/

Staff

The Principal has proposed that
p 31 cf the following staff may be appointed:—

1 Instructor }
4 Asst. Instructors } till April 1949.
2 Peons }

2 Sweepers — till April 1948

W/ The proposals may be accepted

Equipment

The amount of Rs 200 asked for
by the Principal may be sanctioned. W/

Repairs to outhouses in Principal's quarters

It is reported that a sum of Rs 500
is required for repairs. This also may be
sanctioned. W/

Extracts of the conclusions arrived
at at the Conference have been
sent to P.W.D. and they are taking
action about the salary to be paid to
persons who undergo the new course and
other questions relating to their employment.

A draft order is subd. It
may be sent to Dev, P.W.D and
Finance for acceptance before
circulation. W/

E.P.H. 58770-18/47 A
dated 11-10-47

5.45 pm
CPR
11.10.47

11/10/47

11/10/47 S

11/10/47

Dev:
PWD
Finance

99006244
14.x.47

recommends that the course may be called the 'overseers course' and that for the present the duration of the course may be restricted to 2 years. The C.E. agrees with the Principal. The Principal's recommendation may be accepted.

pp 19 + 28 CF

p 48 CF

The D.P.I. says that he has consulted the Principals of the Coimbatore and Cocanada Colleges ~~[illegible]~~ in regard to the opening of the new courses in these colleges and that both of them are of opinion that it is not possible to open the new course in their colleges now ~~for the present~~. The proposal to open the new course this year in the Eng colleges at Coimbatore and Cocanada ~~and Anantapur~~ may be dropped.

p 51 cf

Extracts of the conclusions arrived at at the conference have been sent to Dev. That dept is taking action about the opening of the overseers course in the polytechnics from next year.

## Syllabus

The Principal has framed a syllabus for the new course in consultation with the C.E. This may be approved.

pp 33-43 CF

## Accommodation

The original idea was to accommodate the students to be admitted for the Overseers course in the Guindy College in the "Holiday Home" near the College. This building is not yet available. The Principal has therefore suggested that out of the 100 students to be admitted 24 may be accommodated in the Teachers College hostel, Saidapet and 16 in the outhouses of his quarters; the remaining 60 will be those who belong to Madras and its suburbs and they will be day scholars. In view of the acute scarcity of accommodation the arrangements suggested by the Principal may be approved.

p 5 CF

disliked DF

p 14 ff DF

disliked

## Qualification for admission to the course

52B The Principal's suggestion that the minimum qualification may be S.S.L.C. (eligible) may be approved.

pp 18 + 28 cf

**Tuition fee** Principal's proposals may be accepted

p 31 cf

## Staff

The Principal has proposed that the following staff may be appointed:—

p 31 cf

1 Instructor }
4 Asst. Instructors } till April 1949.
2 peons }

2 sweepers — till April 1948

The proposals may be accepted

## Equipment

The amount of Rs 200 asked for by the Principal may be sanctioned.

## Repairs to outhouses in Principal's quarters

It is reported that a sum of Rs 500 is required for repairs. This also may be sanctioned.

Extracts of the conclusions arrived at at the Conference have been sent to P.W.D. and they are taking action about the salary to be paid to persons who undergo the new course and other questions relating to their employment.

A draft order is subd. It may be sent to Dev, P.W.D and Finance for acceptance before circulation.

E.P.H. 58770-18/47 A
dated 11-10-47

5.45 pm
CPR
11.10.47

11/10/47

11/10/47 S

11/10/47

Dev: PWD Finance

99006249
(14.8.47)

the admission of 100 students – 40 from Mufassal & 60 from Madras. The proposals ~~made~~ for running the course in the Engineering college Guindy during the current year [illegible] involve:— See draft order

(a) levy of a fee of Rs 36 per session besides such other fees as the students of other courses in the college are liable to; This has been accepted in Fin — p. 12 ante.

(b) employment of the following staff:—

1 Asst Engineer (Instructor) on 260-500 }
4 Asst Instructors (Subordinate) on 100-250 } till Apr. 1949. Page 32 cf Draft order
2 peons.
2 sweepers — (till April 1948)

~~(c)~~ The following add! expenditure is involved:

| | | |
|---|---|---|
| annual Cost on staff } = ~~Rs 19000~~ | Rs 17800 | } recurring Page 32 cf Draft order |
| ~~and~~ other ~~recurring~~ expenses }<br>(Tr. allce to staff & workshop maintenance) | " 2200 | |
| Electrical & other repairs | " 500 | } non-recurring pp 31 & 32 cf Draft order |
| Apparatus & Material | 200 | |
| | 20,700. | |

The items of expenditure may be accepted.

2/ Funds. The proposal involves a recurring cost of over Rs 5000 p.a. and it should ordinarily be referred to SFC & cabinet. In view of the urgency the case should be circulated ~~to~~ for orders of H.M. (Edn) H M Fin, and HPM for omitting a reference to SFC as a special case. A note should also be ad to all other HMs for information. Subject to the above remarks the draft order below may be accepted as amended in text.

See cp SCF

M.

15/10/47

C&M
15.X.47

AS I ~~AD S~~ ~~DS~~

15.X.47

Pcls
15/10/47

Mm' Asst A

Exp B 15/10

Exp C 15/10

(Vort para to 32 apr)

[It is understood from ESP that the L.C.E. course cannot be abolished completely till July 1950 and that no fresh admissions will be made to the course from July 1948. Any savings on account of abolition of this course will begin to accrue only from July 1948.]

15/x/47

DS

15/10/47 ESPA EPH

6151 SE 3-1
15.10.47

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21

54B

54X

**Edn and P.H. Dept**
**A.**

The ~~proposal~~ file relates to the training of Eng: overseers. Notes from page 15 ante may be read.

pp 18-19 ante

Portions marked X, Y and Z in the Dev dept note

p 18 ante

The amendments to the draft order suggested at X and Y may be accepted.

pp 18-19 ante

A separate file will be started in regard to the point raised at Z.

p 20 ante

Portion marked M in the Fin dept note

Necessary action will be taken after orders are issued in the file.

Fin note on p 20 ante

The file may be circulated to H.M. (Edn) H.M. (P.W), H.M. (Fin) and H.P.M.

15/10/47.

15/10/47

15/10/47

TSA
16.10.47

H.M. (Edn) ✓

H.M. (P.W.)

H.M. (Fin.)

H.P.M.

MB 16/10

B.G.A.
16.X

16/10/47

Why should the ~~[illegible]~~ 60 ~~[illegible]~~ ~~[illegible]~~ proposal only 40 seats

G.P.R.
25/10

The reason for this is explained in the letter of the D.P.I. on pages 51-52 CF. It is possible to provide hostel accommodation only for 40 students. ~~and~~

~~So~~ only 40 students from the mufassal can therefore be selected; the remaining 60 will ~~be~~ have to be residents of Madras.

28/10/47 S

HPB

H.M. Education will see and decide

O.P.R.
27/10

May be circulated to H.M. (Edn) for orders.
Whether the draft put up may issue

27/10/47.

28/10/47 S / 28/10/47

H.M. (Ed.)

The forty students to be selected for hostel accommodation may all be mofussil students. More mofussil students who may ~~xxx~~ find accommodation outside may be selected among the other 60.

TSA
29-10-47

29 OCT 1947

Para 5 of the draft order has been amended. The draft order may now issue.

29/10/47.

30/10/47 S

[Issued as G.O. No. 2297 Edn. d. 30-10-47.]

[illegible] the correct [illegible] of 52-55

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Pl. take 25 copies of pp. 1-4 in file (68)

55B

**Education and Public Health Department (A).**

**Note for circulation to Hon'ble Ministers.**

Subject:- Engineering College, Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course.

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It was pointed out to Government recently that adequate arrangements ~~do~~ did not exist ~~at present~~ in the Government Engineering Colleges for the training of the large number of subordinate Engineering staff such as supervisors, overseers, draftsmen, &c., required for the several schemes and projects they ~~have~~ had taken up. ~~Accordingly~~ A conference over this position was held on 2-9-47 by the Hon'ble Premier, H.M.(P.W.), H.M.(Finance), Secretary, Education & Public Health, Chief Engineer(General), Chief Engineer(Irrigation) and the Principal of the Engineering College, Guindy, were present.

The following ~~xx~~ conclusions were arrived at at the conference:-

From next year the L.C.E. Course is to be abolished in the Engineering College and in the Polytechnics (only the batches already under training being allowed to complete the course) and a Lower Subordinate Course is to be started instead. The number for that course in each of the Polytechnics where the L.C.E. course is now given, is to be raised from 20 (the present number for the L.C.E. course) to 40.

The duration of the Lower Subordinate course will be 2½ years.

Minimum qualification for admission is to be a pass in the S.S.L.C.

The question of attaching similar courses to the Engineering colleges at Coimbatore and Cocanada should be explored and particularly the question whether courses could be started there immediately this year.

The Principal of the Engineering College to arrange to start the course immediately this year for training at least 100 pupils if the 'Holiday Camp' were to be made available from the Army.

P.T.O.

The candidates taking the new course to be employed by Government as overseers in the P.W.D., on the scale of Rs.80-120-E.B.-150; there would also be a selection grade going up to Rs.200; when employed as draughtsmen they would get Rs.25/- extra.

The idea is that there would be no intermediate grade between Assistant Engineers and Overseers: the present cadre of Supervisors would be split into two - one portion going as a Junior Assistant Engineer's cadre for graduates and the other for promotion to overseers as a selection grade."

The Principal, Engineering College, Guindy, submitted a proposals in consultation with the Chief Engineer (Genl) for ~~starting~~ the overseers course (~~corresponding~~ to [illegible] this course) in the Eng college Guindy and ~~stated~~ that a similar course cannot be started in the other Eng colleges this year for want of accommodation ~~implementing the conclusions~~. The proposals were examined in consultation with P.W.D., Development and Finance. ~~They~~ It involve~~s the following expenditure~~:-

a Recurring expenditure of Rs. 20,000. and a

Non-recurring. expenditure of Rs. 700

As the proposal~~s~~ involves a recurring expenditure of over Rs.5,000/- per year, the Finance Department advised that ~~they~~ it should ordinarily be referred to the Standing Finance Committee and the Cabinet. In view of the urgency of the case, that department however agreed to orders being issued in the case after circulation to H.M.(Education), H.M.(Finance) and the Hon'ble Premier. According orders were issued in G.O. No.2297, Education, dated 30-10-47 (copy ~~enclosed~~ attached) after obtaining orders in circulation from H.M.(Education), H.M.(P.W.), H.M.(Fin.) and the Hon'ble Premier.

The Dev Dept have already issued orders in regard to the starting of the overseers course in the Polytechnics from next year and the P.W. dept have taken up the question of the salaries to be paid to ~~those who undergo the course~~ the candidates ~~after undergoing~~ who take the course.

A Cop~~ies~~y of this note ~~may~~ is ~~now be~~ circulated to all other Hon'ble Ministers and to the Chief Secretary according to the instructions contained in para 2 VI of Finance u.o. Note No.655-B-92 dated 27-12-46.

17/11/47

18/11/47

18/11/47

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Government of Madras
Education and Public Health Department
G.O.Ms. No. 2297 Education dated 30th Octr. 1947.

Colleges - Engineering - Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course - Orders passed.

-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-

READ:

Letter from the Director of Public Instruction No. 1026 K2/47 dated 3-10-47.

ORDER:

The Government direct that the L.C.E. course now conducted in the Engineering College, Guindy be abolished from July 1948 and that an Overseers' course of two years duration be started instead. The students already undergoing the L.C.E. course will be allowed to complete their course.

2. The Government have decided that the L.C.E. course conducted in the Government Polytechnics should also be abolished and an overseers course similar to that to be started in the Engineering College, Guindy should be started in the Polytechnics also. Formal orders in this regard have been issued in the Development Department in G.O.No. 4474 Mis. Devt. dated 13-8-47. The new course in the Polytechnics will also be designated as the "Overseers Course".

3. The syllabus and distribution of marks proposed by the Principal, Engineering College, Guindy for the overseers course are approved. The Director of Industries and Commerce is requested to adopt the same syllabus in the Polytechnics under his control.

4. A course for the overseers will be started in the Engineering College, Guindy, immediately. One hundred students will be admitted to the course. As it is possible to provide hostel accommodation only for 40 students, 40 students belonging to the mufassal may be selected, the remaining 60 being those belonging to Madras and its suburbs. More mufassal students may be selected against the ~~seats~~ sixty also if they can make their own arrangements for lodging and boarding. The instructions issued by Government in regard to admissions to the Engineer class should be followed as far as possible.

5. The minimum qualification for admission to the overseers' course will be S.S.L.C. (Eligible).

6. Fees should be levied from students at Rs 36/- per session besides such other special fees as the students of other courses in the college are liable for.

7. The Government approve the proposal of the Principal, Engineering College, Guindy that for the present the 40 mufassal students may be accommodated in the hostel attached to the Teacher's College, Saidapet and in the outhouses of his quarters.

8. Sanction is accorded to the employment of the following additional staff in the Engineering College, Guindy in connection with the opening of the overseers' course.

One Instructor with B.E. qualification (from the cadre of Assistant Engineers in the P.W.D. till April 1949)

Four Assistant Instructors with upper subordinate a L.C.E. qualification (from the cadre of supervisors of the P.W.D. till April '49.

Two peons till April 1949.

Two Sweepers till the end of April 1948.

9. Sanction is also accorded to the incurring of an expenditure not exceeding Rs 800 in the current year, for the purchase of apparatus and materials required for the overseers' course.

10. Sanction is also accorded to an expenditure not exceeding Rs 500/- in the current year for electrical and other repairs to the outhouses of the Principal's quarters. The Chief Engineer is requested to see that the repairs are carried out immediately.

11. Rent should be recovered from students who are provided with hostel accommodation at the usual rates.

/P.T.O/

4 26

hostel accommodation at the usual rates.

12. The additional expenditure in the current year will be met from the head "37 d - Education - University - Government Professional Colleges - B. Engineering College". The Accountant-General is requested to admit the expenditure in audit pending provision of funds.

(BY ORDER OF HIS EXCELLENCY THE GOVERNOR)

K.V. SUBRAMANIAN,
Secretary to Govt.

To the Director of Public Instruction.
" " Chief-Engineer(General)
" " Director of Industries and Commerce (with enclosure)
" " Development Department. ( -do- )
" " Public Works Department.
" " Accountant-General through Finance
" " Director of Publicity and Information
" " Principal, College of Engineering, Guindy.
" " " Teacher's College, Saidapet.
Six Spare Copies.

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True copy/Forwarded/By Order

place NPS/31.10. SUPERINTENDENT.

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27

57B (57) Edn and P.H. Dept

Eng. College, Guindy – Opening of an overseers' course.

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A draft note for circulation to H.Ms is subd with ref to the Fin dept note on page 20 nf of G.O. No. 2297 Edn dt 30-10-47. Fin: need not see

returned – (S)

15/11/47

17/11/47 S 18/11/47

Copies of the note below have been circulated to all ~~Hon.~~ Ministers, who have not seen the proposal, and also to C.S. The papers may now be added to G.O. No. 2297 Edn. d. 30-10-47)

not put up

19.11.47

20/11/47

58B (58)

28/3

Pl. despatch copies to Chief Secretary and All Hon. Ministers except H.M. (Edu.), H.M. (P.W.), H.M. (Fin) and Hon. Premier

despatched as directed above.

19/4/47.

E&PH(A)

Memo. No 53346 A/46-2 Edn. 2

~~Sub. Revision of the pay of the staff and establishment in Colleges~~

~~Ref. Govt. Memo. No. 53346 A/46-1 Edn. 2 13-9-46~~

~~The DPI is requested to submit very urgently the proposals called for in the Govt. Memo. cited.~~

To
The DPI.

~~ES 1-10-46~~
1/x/46

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Education and Public Health Department (A).

## NOTE FOR CIRCULATION TO HON'BLE MINISTERS.

Subject:- Engineering College, Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course.

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It was pointed out to Government recently that adequate arrangements did not exist in the Government Engineering Colleges for the training of the large number of subordinate Engineering staff such as supervisors, overseers, draftsmen, &c., required for the several schemes and projects they had taken up. A conference over this question was held on 2-9-47 by the Hon'ble Premier, H.M.(Public Works), H.M.(Finance), Secretary, Education & Public Health, Chief Engineer(General), Chief Engineer(Irrigation) and the Principal of the Engineering College, Guindy, were present.

~~x~~ The following conclusions were arrived at, at the conference:-

" From next year the L.C.E. course is to be abolished in the Engineering College and in the Polytechnics (only the batches already under training being allowed to complete the course) and a Lower Subordinate Course is to be started instead. The number for that course in each of the Polytechnics where the L.C.E. course is now given, is to be raised from 20 (the present number for the L.C.E. course) to 40.

The duration of the Lower Subordinate course will be 2½ years.

Minimum qualification for admission is to be a pass in the S.S.L.C.

The question of attaching similar courses to the Engineering Colleges at Coimbatore and Cocanada should be explored and particularly the question whether courses could be started there immediately this year.

The Principal of the Engineering College to arrange to start the course immediately this year for training at least 100 pupils if the 'Holiday Camp' were to be made available from the Army.

The candidates taking the new course to be employed by Government as overseers in the P.W.D., on the scale of Rs.80-120-E.B.-150; there would also be a selection grade going up to Rs.200; when employed as draughtsmen they would get Rs.25/- extra.

The idea is that there would be no intermediate grade between Assistant Engineers and Overseers: the present cadre of Supervisors would be split into two - one portion going as a Nunior Assistant Engineer's cadre for graduates, and the other for promotion to overseers as a selection grade. "

The Principal, Engineering College, Guindy, submitted a proposal in consultation with the Chief Engineer(General) for starting the overseers' course (the appropriate name for the Lower Subordinate Course) in the Engineering College, Guindy, immediately and stated that a similar course could not be started in the other Engineering Colleges this year for want of accommodation. The proposal was examined in consultation with P.W.D., Development and Finance. It involves a recurring

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SECRETARY, EDN. AND P.H. DEPT.
21 NOV 1947
GOVERNMENT OF MADRAS

recurring expenditure of Rs.20,000/- and a non-recurring expenditure of Rs.700/-.

Ax As the proposal involved a recurring expenditure of over Rs.5,000/- per year, the Finance Department advised that it should ordinarily be referred ~~to the~~ Standing Finance Committee and the Cabinet. In view of the urgency of the case, that Department however agreed to orders being issued in the case after circulation to H.M.(Education), H.M.(Finance) and the Hon'ble Premier. Accordingly orders were issued in the matter in G.O. No.2297, Education, dated 30-10-47 (copy attached) after obtaining orders in circulation from H.M.(Education), H.M.(Public Works), H.M.(Finance) and the Hon'ble Premier.

The Development Department have already issued orders in regard to the starting of the overseers' course in the Polytechnics from next year and the Public Works Department have taken up the question of the salaries to be paid to those who take the course.

A copy of this note is circulated to all other Hon'ble Ministers and to the Chief Secretary according to the instructions contained in para 2 VI of Finance u.o. Note No.655-B-92 dated 27-12-1946.

M.V. Subramanian,
Secretary to Government.

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19/11

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## Enclosure.

Copy of G.O.Ms. No.2297, Education, dated 30th October 1947 of the Education & Public Health Department.

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## Subject.

College - Engineering - Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course - Orders passed.

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Read:-

Letter from the Director of Public Instruction No.1090-K2/47 dated 3-10-47.

--•--

ORDER:-

The Government direct that the L.C.E. course now conducted in the Engineering College, Guindy, be abolished from July 1948 and that an Overseers' course of two years duration be started instead. The students already undergoing the L.C.E. course will be allowed to complete their course.

2. The Government have decided that the L.C.E. course conducted in the Government Polytechnics should also be abolished and an overseers' course similar to that to be started in the Engineering College, Guindy, should be started in the Polytechnics also. Formal orders in this regard have been issued in the Development Department in G.O.No. 4474 Mis., Development, dated 15-9-47. The new course in the Polytechnics will also be designated as the "Overseers' Course".

3. The syllabus and distribution of marks proposed by the Principal, Engineering College, Guindy, for the overseers course are approved. The Director of Industries and Commerce is requested to adopt the same syllabus in the Polytechnics under his control.

4. A course for the overseers will be started in the Engineering college, Guindy, /immediately One hundred students will be admitted to the course. As it is possible to provide hostel accommodation only for 40 students, 40 students belonging to the mufassal may be selected, the remaining 60 being those belonging to Madras and its suburbs. More mufassal students may be selected against the sixty seats also, if they can ~~make~~ make their own arrangements for lodging and boarding. The instructions issued by Government in regard to admissions to the Engineer class should be followed as far as possible.

5. The minimum qualification for admission to the overseers' course will be S.S.L.C. (Eligible).

6. Fees should be levied from students at Rs.36/- per session besides such other special fees as the students of other courses in the College are liable for.

7. The Government approve the proposal of the Principal, Engineering College, Guindy, that for the present the 40 muffasal students may be accommodated in the hostel attached to the Teachers' College, Saidapet and in the out-houses of his quarters.

8. Sanction is accorded to the employment of the following additional staff in the Engineering College, Guindy, in connection with the opening of the overseers' course.

One Instructor with B.E. qualification (from the cadre of Assistant Engineers in the P.W.D. till April 1949).

Four Assistant Instructors with Upper Subordinate or L.C.E. qualification (from the cadre of supervisors of the P.W.D. till April '49.

Two peons till April 1949.
Two Sweepers till the end of April 1948.

9. Sanction is also accorded to the incurring of an expenditure not exceeding Rs.200/- in the current year, for the purchase of apparatus and materials required for the overseers' course.

10. Sanction is also accorded to an expenditure not exceeding Rs.500/- in the current year for electrical and other repairs to the out-houses of the Principal's quarters. The Chief Engineer is requested to see that the repairs are carried out immediately.

11. Rent should be recovered from students who are provided with hostel accommodation at the usual rates.

12. The additional expenditure in the current year will be met from the head: 37 d.- Education - University - Government Professional Colleges - B. Engineering College". The Accountant-General is requested to admit the expenditure in audit pending provision of funds.

(By order of H.E. the Governor.
M.V. Subramanian,
Secretary to Government.

To the Director of Public Instruction.
,, Chief Engineer(General), Director of Industries & Commerce, Development Dept., Public Works Dept., Accountant-General through Finance, Director of Information and Publicity.
,, Principals, College of Engineering, Guindy, and Teachers' College, Saidapet.

/True copy/

Dont recirculate

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Education and Public Health Department (A).

NOTE FOR CIRCULATION TO HON'BLE MINISTERS.

ASST. SECRETARY TO GOVERNMENT, EDUCATION AND PUBLIC HEALTH DEPT. [illegible] 1947

Subject:- Engineering College, Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course.

------

It was pointed out to Government recently that adequate arrangements did not exist in the Government Engineering Colleges for the training of the large number of subordinate Engineering staff such as supervisors, overseers, draftsmen, &c., required for the several schemes and projects they had taken up. A conference over this question was held on 2-9-47 by the Hon'ble Premier, H.M.(Public Works), H.M.(Finance), Secretary, Education & Public Health, Chief Engineer(General), Chief Engineer(Irrigation) and the Principal of the Engineering College, Guindy, were present.

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" From next year the L.C.E. course is to be abolished in the Engineering College and in the Polytechnics (only the batches already under training being allowed to complete the course) and a Lower Subordinate Course is to be started instead. The number for that course in each of the Polytechnics where the L.C.E. course is now given, is to be raised from 20 (the present number for the L.C.E. course) to 40.

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The Principal of the Engineering College to arrange to start the course immediately this year for training at least 100 pupils if the 'Holiday Camp' were to be made available from the Army.

The candidates taking the new course to be employed by Government as overseers in the P.W.D., on the scale of Rs.80-120-E.B.-150; there would also be a selection grade going up to Rs.200; when employed as draughtsmen they would get Rs.25/- extra.

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p.t.o.

recurring expenditure of Rs.20,000/- and a non-recurring expenditure of Rs.700/-.

~~Ax~~ As the proposal involved a recurring expenditure of over Rs.5,000/- per year, the Finance Department advised that it should ordinarily be referred to the Standing Finance Committee and the Cabinet. In view of the urgency of the case, that Department however agreed to orders being issued in the case after circulation to H.M.(Education), H.M.(Finance) and the Hon'ble Premier. Accordingly orders were issued in the matter in G.O. No.2297, Education, dated 30-10-47 (copy attached) after obtaining orders in circulation from H.M.(Education), H.M.(Public Works), H.M.(Finance) and the Hon'ble Premier.

The Development Department have already issued orders in regard to the starting of the overseers' course in the Polytechnics from next year and the Public Works Department have taken up the question of the salaries to be paid to those who take the course.

A copy of this note is circulated to all other Hon'ble Ministers and to the Chief Secretary according to the instructions contained in para 2 VI of Finance u.o. Note No.655-B-92 dated 27-12-1946.

M.V. Subramanian,
Secretary to Government.

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## Enclosure.

Copy of G.O.Ms. No.2297, Education, dated 30th October 1947 of the Education & Public Health Department.

----

### Subject.

College - Engineering - Guindy - Opening of an overseers' course and gradual abolition of the L.C.E. course - Orders passed.

---

Read:-

Letter from the Director of Public Instruction No.1090-K2/47 dated 3-10-47.

-----

ORDER:-

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2. The Government have decided that the L.C.E. course conducted in the Government Polytechnics should also be abolished and an overseers' course similar to that to be started in the Engineering College, Guindy, should be started in the Polytechnics also. Formal orders in this regard have been issued in the Development Department in G.O.No. 4474 Mis., Development, dated 15-9-47. The new course in the Polytechnics will also be designated as the "Overseers' Course".

3. The syllabus and distribution of marks proposed by the Principal, Engineering College, Guindy, for the overseers course are approved. The Director of Industries and Commerce is requested to adopt the same syllabus in the Polytechnics under his control.

/immediately

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6. Fees should be levied from students at Rs.36/- per session besides such other special fees as the students of other courses in the College are liable for.

7. The Government approve the proposal of the Principal, Engineering College, Guindy, that for the present the 40 muffasal students may be accommodated in the hostel attached to the Teachers' College, Saidapet and in the out-houses of his quarters.

8. Sanction is accorded to the employment of the following additional staff in the Engineering College, Guindy, in connection with the opening of the overseers' course.

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Four Assistant Instructors with Upper Subordinate or L.C.E. qualification (from the cadre of supervisors of the P.W.D. till April '49.

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9. Sanction is also accorded to the incurring of an expenditure not exceeding Rs.200/- in the current year, for the purchase of apparatus and materials required for the overseers' course.

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(By order of H.E. the Governor.
M.V. Subramanian,
Secretary to Government.

To the Director of Public Instruction.
,, Chief Engineer(General), Director of Industries & Commerce, Development Dept., Public Works Dept., Accountant-General through Finance, Director of Information and Publicity.
,, Principals, College of Engineering, Guindy, and Teachers' College, Saidapet.

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