

E.P.H (1947) Department.

Ms SERIES.

G.O. NO. 1475 Edu

Dated 8-7-47

[Despatch Abstract.]

College - Engineering, Guindy - L.C. E course -
Not to be abolished.

Back Papers.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
g.o.	92	Edu	20-1-42				
"	1879	"	3-12-41				
"	1357	"	1-9-41				
"	1653	"	28-8-40				

Further Papers.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.



Received

19

Registered

19

Subject.

COLLEGE OF ENGINEERING = GUINDY = Abolition
of the L.C.E. Course:

=====

ENCLOSURES.

No.

ROC. No. 524-K.2/47

Spare copies

Station MADRAS, Dated the 29th April 1947.

From (Name) DR. S.R.U. SAVOOR, M.A., D.Sc., I.E.S.,

(Designation) DIRECTOR OF PUBLIC INSTRUCTION,
MADRAS.

To The Secretary to the Government of Madras,

EDUCATION AND PUBLIC HEALTH Department.

Sir,

I have the honour to enclose herewith a copy of letter RC.No. 1-30-B/47 dated 22nd April 1947, from the Principal, College of Engineering, Guindy, submitting proposals for the abolition of the L.C.E. Course in the College from July 1947. The reasons for the abolition of the course have been explained fully by the Principal in his letter under reference. In view of the recommendation of the Board of Visitors of the College, I request that the proposal to abolish the course may be accepted. The rules proposed in paragraph VII of the letter for the gradual abolition of the course may be approved.

for Director of Public Instruction.

KAN.30/4

30/30/4

To

The Director of Public Instruction,
MADRAS.

Sir,

Sub:- Abolition of Licentiate in Civil Engineering Course
from the College of Engineering, Guindy.
====

At its meeting held on 3--3--47, the Board of Visitors of the College of Engineering, Guindy decided to recommend the abolition of the LCE course from the College of Engineering, Guindy. The resolution of the Board reads:--

"The Board resolved that in view of the institution of LCE course in 6 Government Polytechnics, the LCE course in the College of Engineering, Guindy should be abolished and that the College should confine itself only to the degree courses. It was suggested that the number of students in the LCE course in the Polytechnics should be increased by the number now trained in the Guindy College. The Joint Director of Industries stated that this would be possible".

2. In requesting you to recommend to the Government the acceptance of the resolution of the Board to abolish the LCE course and the discontinuance of admission to this course from July 1947, I submit
below
the grounds for abolition of this course from the College.

1. OUTPUT OF LCE's FROM POLYTECHNICS.

3. There are 7 Government Polytechnics under the Industries Department, of which five were started in 1946. The LCE course was started in 1946 in six of these Polytechnics ~~XXXXXXXXXXXXXXXXXXXX~~ ~~XXXXXX~~ located at Cocanada, Vuyyur, Madras, Madura, Calicut and Mangalore and admission was restricted to 20 students in each Polytechnic. The College admits 90 students to the LCE course, and the Joint Director of Industries and Commerce who is in-charge of the Polytechnics has agreed to increase the total number in Polytechnics, ~~from~~ by the number (90) now trained in the College. This would mean increasing the number in each of the six Polytechnics, from 20 to 35.

4. The six Polytechnics would produce about 210 LCE's per year if the number of admissions is limited to 35 per Polytechnics. Of all the Licentiate courses in a Polytechnic, the LCE course is by far the cheapest and easiest to conduct. The Principal laboratories for

4
this course are ~~survey~~^{survey} field, Drawing Hall and Workshops. The last two exist in every Polytechnic. The extras required for LCE course are open space and Survey instruments which are not difficult to obtain. The College has found it possible to deal with LCE ~~xxxxxxx~~ class of 90 students. This is, however, too large a number and was undertaken because of the large demand for Licentiates. However, 60 is not too large for the LCE class and it should be expected that the Government Polytechnics would be able to produce over 300 LCE's from their 6 Polytechnics.

5. Besides the Government Polytechnics, there are two private Polytechnics, viz., the C.E.T. Institute, Madras and the P.S.G. Institute, Coimbatore both of which want to start the LCE course. The P.S.G. Institute have a lot of accommodation in their newly constructed buildings and they can easily have LCE class of ~~40~~^{40 or more} from July 1947 with the co-operation of the Arthur Hope College of Technology (about a half a mile from the Institute) for a year for Surveying practical. With LCE course in the private Polytechnics, the output of LCE's can be greater than 300 per year if required.

6. Thus, the abolition of the LCE course from the College would not adversely affect the supply of LCE's.

7. I may add that the LCE course is very popular, if not the most popular Licentiate course. This is because of the large demand, principally from the P.W.D. and the Highways Department, and good prospects of employment for many years to come.

II. HIGH COST OF EDUCATION OF LCE STUDENTS IN THE COLLEGE.

8. One of the reasons for which I had suggested the reduction of LCE course in the College from four years to the existing three years was the high cost of education of LCE ~~xxxxxxxxxxxx~~ students in the College. The majority of students of the LCE course are poor boys who could not afford to go to a College for the Intermediate course and later to a degree course in Engineering. They live in the same hostel and eat in the same mess as the much better off students of the degree courses. They find this too expensive.

9. The Technical Education Sub Committee of the Post War Reconstruction Committee which recommended the starting of additional Polytechnics also considered the cost of education of Licentiates, and

one of the reasons for distribution of Polytechnics on regional basis was to reduce the cost of education of Licentiates.

10. The abolition of LCE course from the College is thus in the financial interests of the students of this course and is necessary from this consideration.

III. ANOMALY OF TWO LCE DIPLOMAS.

11. Students of the LCE course of the College are awarded the LCE diploma by the Director of Public Instruction on the results of the examinations conducted by the College. Students of the LCE course in Polytechnics will be awarded LCE Diploma by the Government Technological Diploma Examination Board on the results of examinations conducted by the Board ~~xxxxxxxxxxxx~~ with the help of external examiners who are not on the staff of any Polytechnic. Although the syllabus for LCE course in Polytechnics is practically the same as in the College, the bases of award of LCE diploma of the College and of the Technological Board are very different. It is rather anomalous for two Departments of the Government to award the same diploma on different bases. Abolition of the LCE course from this College would remove this anomaly.

IV. BAD FEELING BETWEEN LICENTIATE AND DEGREE STUDENTS

12. Students of the Licentiate and Degree courses live in the same hostel, eat in the same mess and play in the same playgrounds. They also have classes in the same buildings. There has always been bad feeling between the students of the Licentiate and Degree courses owing to the Degree course students considering themselves superior to the Licentiate course students and looking down upon them. The students of the Licentiate course resent this. The result is that there is an unhealthy atmosphere in the College. The abolition of the Licentiate course from the College will remove this unhealthy atmosphere and result in a smoother and happier corporate life.

I may mention in this connection that I asked some students of the final year Licentiate course if they favoured the abolition of the Licentiate course from this College and was told that they welcomed this as they found it very humiliating and degrading to study in this college with the degree course students who looked down upon them.

V. BASIS OF CONGESTION IN THE HOSTEL.

13. The Hostel is extremely congested. Owing to insufficient accommodation, it has been necessary to put three students in a room of 20' x 10'. This is most undesirable not only because of the inadequacy of space, but because of the disturbance caused by the friends of the

room mates visiting their friends. This congestion is extremely detrimental to the studies of the students. The abolition of the Licentiate course will reduce the congestion in the hostel and enable the students to devote more time to their studies.

VI. INCREASED FACILITIES FOR DEGREE CLASSES AND AVOIDANCE OF EXPENDITURE ON NEW BUILDINGS.

14. The college was designed for 400 students, but now has over 800 students. The result is that all class rooms and drawing halls are congested. Moreover, there is difficulty in finding lecture halls for the courses in Highway Engineering and Telecommunication Engineering which were started in 1945.

15. With the abolition of the Licentiate course, two Drawing Halls and 3 Lecture Halls will be released and not only the congestion in the Colleges will be reduced, but expenditure of lakhs of rupees which the Government are liable to incur will be avoided.

16. The Science Laboratories are extremely congested. If the Licentiate course is abolished, the Science Laboratories ~~could~~ could be transferred to the two drawing halls in the main building now used by the students of the Licentiate course. The Science Laboratories would not only have adequate accommodation, but it would be possible to start B.Sc. courses with Physics (main), Chemistry (Main) and Geology (Main) or new courses in Applied Science.

17. The transfer of the Science Laboratories to the Drawing Halls will release the existing laboratories for utilisation for some other purpose. There is already a purpose for which the Science Laboratories building is required and which will save the Government an expenditure of over 2/- lakhs of rupees.

18. The Highway Engineering Laboratory is at present located in the extension of the Strength of Materials Laboratory. When the proposal for starting the course was made, a further extension 40' x 40' was suggested. However, the Professor of Civil Engineering in charge of the Strength of Materials Laboratory is making proposals for improving the Laboratory. These improvements will necessitate the installation of additional ~~machines~~ machines and the extension to the Strength of Materials Laboratory now occupied by the Highway Engineering Department will be required for the Strength of Materials Laboratory.

P.T.O.

Moreover, the Research Organisation Committee presided over by the Development Commissioner, has recommended that the Laboratories of Engineering Colleges should be improved with a view to provide facilities for industrial testing. The Committee has recommended that the various colleges should have well-equipped testing laboratories in the branches mentioned against each.

College of Engineering, Guindy:	Materials Testing Laboratory.
Arthur Hope College of Technology, Coimbatore.	High Voltage Testing Laboratory.
Vizagapatam Engineering College:	Mechanical Engineering Testing Laboratory
Anantapur Engineering College:	Highway Engineering Testing Laboratory.

19. In my opinion the Testing Laboratories recommended by the Research Organisation Committee will be found essential, particularly, in view of the large schemes which the Government have undertaken. I therefore expect that the Government would accept the recommendation of the Committee. In that event, the Strength of Materials Laboratory of the College of Engineering, Guindy will have to be further extended and the extension proposed on account of the Highway Engineering Laboratory will also be required by the Strength of Materials Laboratory. In any case, the extension now occupied by the Highway Engineering Laboratory is required for improvement of the Strength of Materials Laboratory for purposes of instruction.

20. The Professor of Civil Engineering in charge of the Highway Engineering Laboratory is of the opinion that the space provided in the original proposal is insufficient, and has made proposals for the construction of a separate Laboratory for Highway Engineering Department at a cost of Rs.2.35 lakhs which are under consideration of the Government. In view of the development in the Strength of Materials Laboratory, a separate Laboratory will have to be provided for the Highway Engineering Department.

21. The new Highway Engineering Laboratory building is proposed to be located opposite to the Science Laboratories building and of the same type as the Science Laboratories building. The plan of the proposed Highway Engineering Laboratory building including its future extension, is almost identical with the plan of the Science

P.T.O.

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Laboratories building except for a small room. With some alterations in the existing Science Laboratories building and the construction of a small room, the Science Laboratories building will become almost identical with the Highway Engineering Laboratory building proposed at a cost of 2.35 lakhs of rupees.

22. The alterations and additions to the Science Laboratories building to bring it in conformity with the proposals for the new Highway Laboratory building and the transfer of the Science Laboratories to two Drawing Halls in the Main Buildings may not cost more than Rs.10,000. The net saving to the Government on account of the abolition of the Licentiate course would therefore be of the order of 2.25 lakhs of rupees. At the same time, more space would become available for the Science departments and for Lectures and B.Sc. courses in pure or applied science can be started.

23. It will be at least two years before the Licentiate course will be completely out of the college and the allocation of buildings to the Highway Engineering and Science Departments, as proposed, would be possible. However, if the admission to the Licentiate class is stopped from July 1947, considerable congestion in the College and the Hostel would be removed and ease the conduct of the Anantapur college classes, of which there will be two in July '47.

VII. STAGES IN ABOLITION OF LCE COURSE.

24. If the Government accept the recommendation of the Board of Visitors of the College to abolish the Licentiate course from the College, I suggest that the following rules may be framed for gradual abolition of the LCE course from the College. I may mention that the Technological Diploma Examination Board conducts examination in certain specified subjects for the third (final) year students only. The examinations for the 1st and 2nd year students are conducted by the heads of the Polytechnics. The Board should therefore have no objection to accept the examinations conducted by the College for the 1st and 2nd year students in view of the fact that the syllabus in the College is practically the same as prescribed by the Technological Board. The proposed rules are:—

(a) Admission to the LCE course ~~may~~ shall be stopped from July '47.

(b) Students who fail in the first year Licentiate class in 1947 shall join one of the Government Polytechnics nearest to their

homes.

(c) Students who are promoted to the second year class may be permitted to join a Polytechnic, if they so desire, as there will be a second year class in Polytechnics in 1947-48 session.

(d) Students who fail in the second year Licentiate class in 1948 shall join one of the Polytechnics. This will be possible as the syllabus for the LCE course in the Polytechnics is practically the same as in the College.

(e) Students who fail in the third (final) year Licentiate class in 1948 may be permitted to continue in the College, if strength of the final year class permits, as there will be a final year Licentiate class, otherwise they shall appear at the final examination as private candidates in 1949 in the college.

(f) Students who fail in the final year class in 1949 shall take the LCE examination conducted by the Government Technological Diploma Examination Board.

J. P. Rudra
PRINCIPAL.

Memo. No. 37476 A (47)-2 Edw 7547

Sub College of Engg, Connidy - abolition
of L.C.E Course.

From the D.I No 524 - K2 147 829-447.

A copy of the letter from
the DPI cited to go is forwarded to
The C.E. PWD (Col Bldg + D) for remarks
The Director Industries
at a very early date

150/6
8/5/47
To The C.E. PWD (Col Bldg + D)
D. 84c
with copy of
(PP 1-94)

Note. Pl. see the letter from the DPI in p 1 CF.
The papers connected with L.C.E course in the Engg.
College, Connidy are being called for. It seems
necessary that the remarks of the C.E. (Col)
and the D. 84c. should be obtained on the
proposal. The draft above is for approval.

$$\frac{m}{19.547}$$

A / ASL

D. 157

To

The Secretary to Government,
Education and Public Health Department.

Sir,

College of Engineering, Guindy - Abolition of the L.C.E.
Course - re:
Ref: Govt. Memo No. 37476.A/47-2 Edn. dated 7-5-47 and
37476.A/47-3 Edn. dated 19-5-47.

I agree with the proposals of the Principal, College of Engineering, Guindy and the Director of Public Instruction for the abolition of the L.C.E. Course in the College of Engineering, Guindy, from July 1947 onwards and for increasing the number of entrants into the Licentiate Courses at the various Polytechnics from the same date.

J. Hirama 23/5/57
for Chief Engineer, P.W.D.

TDC.23-5-47

Submitted for perusal. The reply from
the D. I + c. may be awaited till 5.6.47

$\frac{1}{27547} \text{ km}$
 $\frac{29}{547}$

Industries and Commerce Department.

From Rao Bahadur Sri. N.M. Adyanthayya To The Secretary to Government,
B.Sc.(Edin.) Educational and Public
Joint Director of Industries and Health Department,
Commerce, Madras. Madras.

Ref: No. 2223-C.1/47 dated 26th May, 1947.

Sir,

Sub: Education - College of Engineering - Guindy -
Abolition of the L.C.E. course - regarding -
Ref: Government memorandum No. 37476-A/47-2 Edn. Education
and Public Health Department dated 7th May, 1947.

The proposals of the Principal of the Engineering College, Guindy to abolish the L.C.E. course gradually in his college may be accepted. As regards the corresponding increase in the number of students to be admitted to the Polytechnics, it may not be possible to increase the strength in each from 20 to 35 students since accommodation, equipment and staff are not yet available to the fullest extent. It may however be possible to increase the number to 25 in July this year and to 35 in the year 1948 if early orders of Government are received in regard to building, equipment and staff of Polytechnics.

kap. 27-5.

for Joint Director of Industries and
Commerce, Madras.

DRAFT FOR APPROVAL

Issue at
m. 8/7

When received for
fair copying ..

When copied ..

When examined..

When signed ..

When despatched.

Date.

Initials.

SUBJECT:—

College - Eng: Guindy - L. b. E course
~~Not to be abolished~~
~~Station - Bangalore~~

READ AGAIN .., dated .. 19 ..

READ ALSO:—

11 cf No. 37476A From the D.P.S., No. 524-K/2 dated 29.4.1947

115 cf " " B.E. P.W.D. No. 2104-52/47-3 d 23.10.47

117 cf " " Joint Director of Industries No. 2223 C/47 d 26.10.47

Order Ms. 1475 Edn No. 8-7-1947
Resolution Rout. No. .., dated ..

11 b nt

The D.P.S. is informed that the
Govt have decided that the L. b. E course
in the Eng: College, Guindy, need not be
abolished.

11/47
8/7/47

11/47
8/7/47

To ✓
The D.P.S. ✓

✓ B.E. (Genl. Director & Defence)

✓ P.W. Dept

✓ Dev. Dept.

✓ Joint Director of Industries

Copy to the Principal
Eng. College, Guindy
S/c

three years' studies. No new admissions will be made to this diploma course in the College.

31-5-47

31/5/47

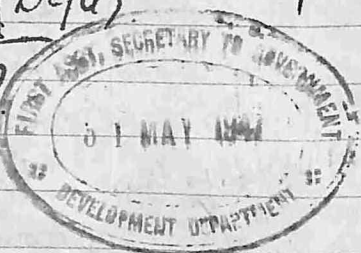
Des.
P.W.
Fin.

R.H.W.

No. 3747-A/W-4.

Dev. 51644

2-6-47



To us.

The notes of E + P.H. depts on pp 1-2 above may be perused.

In view of the concurrence of the Jt. Dir. to the proposal of the Director of Public Instruction, this dept may also agree to the admission of a larger number of Candidates gradually in the L.C.E. Course in the six Polytechnics under the control of the Dept of Industries. The present approved number for admission to the L.C.E. Course in each Polytechnic is 20 each year.

The Jt. Dir. reports that it may be possible to increase the number from 20 to 25 in July this year. As regards 'B' on p 17 of, orders will issue in this dept soon.

E + P.H. may be requested to circulate this con. to H.P. (2) also.

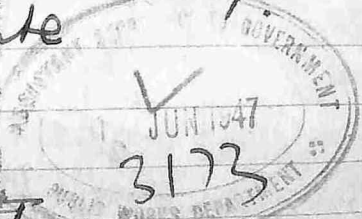
AM

7-6-47

J.S.
P.W.

Dev. 51644 DE/47-1

P.W.D. 10.6.47



The notes of EPH depts on pp 1-2 ante may be perused.

In view of the concurrence of the CE (al) to the proposal of the D.P.I., this dept may agree that the L.C.E. diploma course in the College

Engineering College, Guindy, may be abolished and a corresponding addition made, in the course, to the number of students admitted to the Polytechnics. After orders are passed, the file may be passed on to Fin.

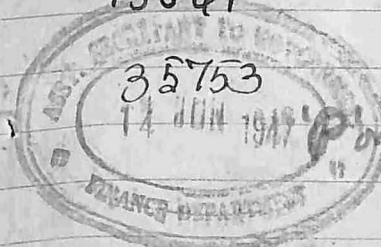
SV
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B/6/47

13/6

Finance E.D.

Prmo 3173 L/47-1

13-6-47



Please see the notes of E + P.H., Devt and P.W.D. from p 1 above. The proposals are

(i) to abolish the L.C.E. Course in the Engineering College, Guindy gradually from the year 1947-8 and (ii) to increase the number of seats in each of the existing Polytechnics from 20 to 25 during the year 1947-8 and to 35 from the year 1948-9.

Proposal (i) above: The reasons for abolition of the L.C.E. Course in the Engineering College, Guindy are given in paras 1 to 23 of the letter of the Principal, Engineering College, Guindy addressed to the D.P.I. on pp 3-8 of CF. The stages of abolition of the Course are detailed in para 24 on pp 8-9 of CF. The Joint Director of Industries and Commerce and the CE (C.B. & D) agree to the proposal abolition of the L.C.E. Course in the Engineering College, Guindy.

E + P.H. agree to the proposal subject to the remarks that the students who are now promoted to the second year class in the L.C.E. Course in the Engineering College, Guindy may be permitted to continue the Course in the same institution and pass their examination in 1948 on completing three years' studies in that institution and also subject to the condition that on p 1 above the proposal for the increase of the

number of seats in the Polytechnics is finalised.

The Joint D.I.C. Development has stated that it may be possible to increase

the number of admissions to 25 in July this year and to 35 in 1948. in polytechnics if early orders of the Govt.

are received in regard to building, equipment and staff

of Polytechnics. Development say that such orders will

be issued soon. It is therefore possible for the Poly-

technics to take ^{additional} students for L.C.E. course on the aboli-

tion of such course in the College of Engineering, Guindy.

The savings on account of the abolition of the course are not known. It is proposed to ask the D.P.I.

The proposals of E.P.H. may be agreed to in this Dept.

Proposal No. 111 The proposal to increase the

number of ~~xxxx~~ students in each of the Polytechnics from

this year and to 35 next year. The proposal may 20 to 25 will involve an extra cost by way of

additional staff from the second year onwards. The Director

of Industries and Commerce has not even given a rough estimate

of the additional cost involved. Development may be asked

to get such an estimate. When this is known as well as the

savings referred to at para X above, the net financial

effect of the proposal as a whole will be known and then

this Department will be in a position to indicate the

financial procedure to be followed in this case. The case

may be returned to E.P.H. through Development with the

above remarks.

M
19647

19/6

Dev

E-PH.

DS
Dev
EPH

58439

Dev. Dept.

9 JUN 1947

To U.S.

Previous nos of this dept are

on p 2 above.

This file has been sent to the
dept nos, with reference to previous marked

P17 CF

13 on p 17 CF

2 on p 2 above

X

Para 3, 1 above

111 p 3 above

P17 CF

epil

Fin. D.O.
3575380-1
19-6-47

DEVELOPMENT DEPARTMENT

14/4 in the Finance department note on 14/4 above. As suggested by Fin. Dept. the extra cost involved

in increasing the number of candidates to be admitted to the Polytechnics, will be called for and separate

order made on the receipt of a copy of the final

order from the Govt. This case may be sent to E.P.H. Dept.

24647

24647

E.P.H. (A)

58439
Date 58539 2/47-1

24-6-47 p 1 CF

ASST. SECRETARY TO GOVERNMENT
EDUCATION AND PUBLIC HEALTH DEPT.
52063

11/17 + 15 of

1 ante

12 ante

above

12-3 ante

14 ante

The D.P.I. has submitted a proposal for the abolition of the L.C.E. Course in the College of Engg. Guindy with effect from the academic year 1947-48. The stages of abolition of the course are indicated in para 24 of the Principal's letter on pp 8-9 CF. The Jt Director of Industries and Commerce and the C.E.(C) agree to the proposal. This Dept. agree to the proposal subject to the condition that the students who are promoted to the second year class of the course are allowed to finish their course in the Engg. College itself in June 1949. The remainder of the Jt D.I.C. at B on 17 CF and also subject to the condition that the proposal for the increase of the no. of seats in the Polytechnics is finalised. It is also proposed to call for information from the D.P.I. on the savings to Govt on account of the proposal. Dev. Dept. agree to the proposal and propose to call for an estimate of the extra cost involved in increasing the no. of seats in the Polytechnics. P.W.D. agree to the proposal. Fin. also agree to the proposal. They will indicate the financial procedure to be followed in the case, after the estimate

proposed to be called for from the DPT and JTD etc.
are recd.

The case may now be circulated
to H.M (Edn), H.M (G), H.M (PW) and H.M (Fin)
for orders whether ^{no new admissions need be made to the} L.C.E. course in the College of Engg.
Community ~~may be abolished~~ with effect from the
academic year 1947-48 as proposed by JPH and
accepted by Dev, PW and Fin. The course will cease to
exist from the academic year 1949-50 in the Engineering college.

ES
25/6/47
m
25/6/47

5
1/1
25/6/47
1/1 (Cm) ✓
1/1 (G) ✓
1/1 (PW) (on tour)
1/1 (Fin)

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
large number of junior officials who would help these Engineers
to do their work. In fact, while we are able to get many Engi-
neers 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.

1/5A
8.7.47
Further circulation necessary
as this note, in view of H.M (Cm)'s minute.
The case may be sent to the Min
for perusal after some
time.

extracts
taken
(15.7.47)
The question at B
also may be taken up separately
for circulation. by
8/7/47.

A draft order is subd. After issue the
file may be circulated to H.M (G), H.M (PW) and
H.M (Fin) [Issued as G.O.
No. 1425 Edn
8.7.47.]

The question at B will be taken up
the file returns from circulation by
8/7/47
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