

No 1807 W of 23rd July 1895

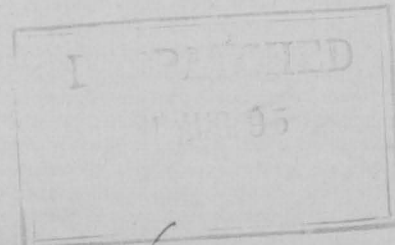
PROCEEDINGS OF THE MADRAS GOVERNMENT.

*Public Works
Department*

Read the following

Endorsement by the Secy to Govt
P.W. Dept in note by the Chief
Engineer P.W. Dept No 320 D
dated 7 June 1895. — (H.E. No 321 D d/7 June 1895)
Proceedings, Educational Dept. (No 564 d/6 July ")

6 P
Communicated
to officers of the Public
Works Department for
information and guidance.



Secy to Govt
Consulting Architect
Secy to Works & Engineering Projects
Examiner P.W. Accounts
Chief Engineer for Irrigation

CHD
17/95

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Govt. of Madras.

PUBLIC WORKS.

Dated

Recd.

Encl.

G.O. 23/7/1895 No. 18074

Engineer Staden A.

To: Educational Dept.
Meeting with the Chief
Engineer in considering
the practical course
thereof by - of the Madras
College of Engineering Cor-
responds with the period of
probationary apprenticeship
required by the rules of the East
India and discussing the
being brought on to the
mechanical establishment at the
end of the two years'
practical course, to meet the
views of the S.D.

240
14

24/7-



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read again G. O. dated 10th November 1892. No 800 Educational 3293-4
" " " 16 May 1895. " 411, Educational 3293-4
also 7-6-95
READ the following paper:—

From the Public Works Department, dated 7th
June 1895, No 321 D.

Order, dated 6th July 1895, No 564.

The Government agrees with the Chief Engineer in
Considering that the "practical Course" undergone by
Students of the College of Engineering, Madras, corresponds
with the period of probationary Apprenticeship
required by the rules of the Government of India.
G. O. dated 10th November 1892 No 800 Educational will
accordingly be cancelled and Engineer Students will
be brought on to the permanent Establishment of
the Public Works Department at the close of the two
years' practical course.

3293-4 1/2 12
92

(Extract.)

Lane Davidson

10-7
Ag. Under Secretary
for Chief Secretary

L.

The Director of Public Instruction

" Public Works Department

8/4

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[Faint, illegible handwriting on the right page, likely bleed-through from the reverse side.]

Gobt. of { 18 } Madras.

To

The Public Works Dept

Proceedings, dated
No. 564

Subject.

Agreeing with the Chief Engr.
in considering that the practical
course undergone by Engineer
students corresponds with the
period of probationary apprenticeship
required by the rules of the
G. of India; cancelling G.O. of 10-11-92
p. 800 Encl. and directing that Eng.
students be brought on to the
Permanent Estab. of the P.W.D.
at the close of the 2nd years
practical course.

P. W. CURRENT No. 5380

Recd: 13. 7. 55

7.6.95 No. 320.1 D
22.1.95 .. 221 C
3.8.94 .. 1934 W
17.7.94 .. 1795 W
22.5.94 .. 200 D
19.5.94 .. 1968 C
30.3.94 .. 849-50 W
23.10.93 .. 2685-6 W
19.6.93 .. 1626-1626 W
A

CAN;

Do we know whether the
system of procuring appointments
is to be abolished - and if so
how and when it is to come
into force.

The U.S. of the Public Dept. has
brought in the papers &
could be read of the information

C. W. H.

15-55

if some one like No. 21 C

sent 22/95 to the printer

P. J.

D. W.

(1) Please see paras 12 & 13
of letter to India No. 506 W
d/c Mangs.

(2) Note paper at the
top of the linked file.

R. S.
15 June 96

Thanks. I
return the file
except 90. 508 W
4.3.95

He

11. 11. 95

of 123
13/7 R. 19/7

CH. 15/7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

No. 320 D.

Note by the Chief Engineer, Public Works Department.

Under the rules of the Madras College of Engineering, an Engineer student undergoes a three years' theoretical course of study and two years' practical course, of which the first year is spent in workshops and the second on works. Under the rules of the Government of India Code, recruits from the Indian Colleges are, after taking their theoretical course, appointed to the department as apprentices on probation for a period which may extend to three years in all. The Chief Engineer is of opinion that the "practical course" of Madras and the "apprenticeship" of the Government of India rules are really one and the same thing under different names, and that there is no objection, so far as the Government of India rules are concerned, to bringing an Engineer student on the permanent establishment of the department, after the two years' practical course prescribed by the Madras rules.

2. In his letter No. 221 C., dated 22nd January 1895, to the Director of Public Instruction, the Chief Engineer recommended that the practical course, in the case of both Civil and Military Engineer *Subordinate* students, should be reduced from two years to one year; and he considers that the same ruling should be made applicable to *Engineer* students also. This year of practical study should be called the year of apprenticeship. The effect would be that the men would be permanently posted to the Public Works Department, if favourably reported on, on four years after entering the College instead of five as at present.

3. In this connection the Chief Engineer desires to draw special attention to the last part of paragraph 6 of his letter to the Director of Public Instruction quoted above, which is as follows :—

"I have very little faith in the value of so-called 'practical' work which is not accompanied by responsibility, and consider that, when once a man has completed the course of theoretical study which is all a College can give him, the sooner he is put upon really practical (*i.e.*, responsible) work, the better."

7th June 1895.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

No. 321 D.

Transferred to the Educational Department.

7th June 1895.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

G.O., dated 6th July 1895, No. 564, Educational.

Read—again the following papers:—

G.O., dated 10th November 1892, No. 800, Educational.

G.O., dated 16th May 1895, No. 411, Educational.

Order—dated 6th July 1895, No. 564, Educational.

The Government agrees with the Chief Engineer in considering that the "practical course" undergone by students of the College of Engineering, Madras, corresponds with the period of probationary apprenticeship required by the rules of the Government of India. G.O., dated 10th November 1892, No. 800, Educational, will accordingly be cancelled and Engineer students will be brought on to the permanent establishment of the Public Works Department, at the close of the two years' practical course.

(True Extract.)

(Signed) L. DAVIDSON,
for Chief Secretary.

ORDER—dated 23rd July 1895, No. 1807 W., Public Works.

Communicated to officers of the Public Works Department for information and guidance.

(True Extract.)

Under Secy. to Govt., P.W.D.

To Superintending Engineers.
„ the Consulting Architect to Government.
„ the Superintendent of Works, Periyár Project.
„ the Examiner, Public Works Accounts.
„ the Chief Engineer for Irrigation.

GENERAL.
ESTABLISHMENT.

Govt. of {1895} Madras.
PUBLIC WORKS.

Dated July, 23rd.

Recd.

Encl.

G.O., 23rd July 1895, No. 1807 W.

JULY.

Engineer Students

Proceedings, Educational Department, agreeing with the Chief Engineer in considering that the "practical course" undergone by — of the Madras College of Engineering corresponds with the period of probationary apprenticeship required by the rules of the Government of India and directing their being brought on to the permanent establishment at the close of the two years' practical course, communicated to officers of the Public Works Department.

[G]
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2,000-19-4-95.

Educational Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

From the Director of Public
Instruction, of 27th March 1895,
No. 3727.

2. In paragraph 3 of G.O. 443 of 16th
June 1894, Educational Government
observed that if sufficient reasons were
shown for doing away with a year's
apprenticeship which the Engineer student
entitled to the guaranteed appointment
is required to serve under the ruling of
the Government of India, the matter
would be duly considered by Government.
The old rules of the College provided for
the guaranteed appointment of Assistant
Engineer or Rs 250 being conferred on a
student on the completion of his theoretical
course of two years. Since the reorganization
of the College the guaranteed appointment
has been conferred at the termination
of

of the practical course, that is, five years after the date of admission of a student into the College. This change was, as might be expected, considered a hardship, and the Engineer classes were unpopular for some time. Were it not for the order of Government declaring qualified Engineer students eligible for appointment on the upper subordinate establishment of the Public Works Department, and throwing open appointments on the Engineering Establishments of Local Boards to men trained in the College, these classes would have considerably fallen in number. The new ^{grading} ~~grading~~ that the Assistant Engineership on Rs 250/- shall not be conferred until after a year's apprenticeship in the Public Works Department, which means in the case of the Madras College, that full six years shall elapse before the student who heads the list of successful students at the final Examination and who has also passed the B.E. degree Examination becomes entitled to a salary of Rs 250/-, is calculated to counteract the encouragement given by Government in improving the prospects of

of employment of Engineer Students. That this College is the most unfortunate will be apparent from the fact that the apprentice Engineer ship is to be conferred on the student of the College of Science, Poona, after three years, and on the student of the Thomson College, Roorkee after two years, from the date of his first admission into the College. The Madras student would have been placed on a somewhat equal footing with Poona and Roorkee students if the apprenticeship were ordered to run from the date of conclusion of the theoretical course of three years or at least from the commencement of the Works course; but in its order, of 16th November 1892, No. 800, Educational, Government decided that the appointment as apprentice Engineer will continue to be made after the completion of the practical course of two years. I would urge that the Madras College deserves special treatment in that its College course (theoretical and practical) is much longer and more elaborate. As summarized by Major Love it is probable that, ^{while} ~~while~~ of drafting para. 2 of the Resolution of the Govt. of

of India communicated with G.O. of
5th September 1892, No. 652, Educational,
that Government assumed that the
course in the Madras College did not
exceed three years, and that it did not
realize the peculiar hardship the change
in the designation and in the pay of
the guaranteed appointment would
cause to this institution in comparison
with the others. If, therefore, the
Government is not pleased to rescind
its decision that the apprenticeship
should date only from the completion
of the two years' practical course, it is
submitted that the apprentice Engineers
in Madras be paid an initial salary
of Rs 250/- a month as heretofore.

Cannot conclude this subject without
quoting the following remarks of
Lt Col. A. H. Smart, J. A. G. Principal,
College of Engineering, Madras - "If the
Govt. of India ruling is enforced it may
have the effect of discouraging young
men from entering the Engineer class
and it would certainly be a matter for
consideration for the successful Engineer
student whether it would not be better
for him to enter the Upper Subordinate
grades at once and to take his chance
there.

there rather than go through a
course of probation on Rs 100/- per
month only after he has successfully
passed all his examinations with the
chance that he may be dismissed or
removed at the end of his probation.

3. x x x x x

Order: 16th May 1895, No. 411.

x x x x x

2. Paragraph 2 of the Director's letter
will be referred to the Public Works
Department for remarks.

3. x x x x x

(True Copy)

Donald Davidson

21.5
Ag: Under Secretary
for Chief Secretary:

Is

The Public Works Department
Director of Public Instruction

Govt. of { 18 } Madras.

no 2232 w 8 12. 8. 92
" 3293 w 8 2. 12. 92
" 1795 w 8 17. 7. 94

To

The Public Works Dept

no 1291 w 8 23. 5. 84
" 221. 2 w 8 26. 1. 86 Decs: 24. 5. 95
" 753 w 8 22. 3. 86
" 1902 c 8 21. 5. 86
" 2829. 30 w 8 12. 9. 88
" 386 D 8 13. 6. 93
" 2685. 6 w 8 23. 10. 93
" 849. 50 w 8 30. 3. 94
" 1968 c 8 19. 5. 94
" 200 D 8 22. 5. 94
" 1934 w 8 23. 8. 94
" 221 c 8 22. 1. 95Proceedings, dated 16 May 1895
No. 411

Subject.

Recording with remark letter from the Director of Public Instruction, furnishing the information called for in the review of Government of the report on the College of Engineering Madras, for the year 1893.

115

P. W. D.

Recd the following letter
of date 6 July 1895 N. 564. Memo.

Pros: of Govt: Edcl: Dept N^o 2111 of 16 May 1895.
Note by the Chief Engineer P. W. D. of June 1895.

No 3202 of 7th June 1895

Under the rules of the Madras College of Engineering, an Engineer student undergoes a three years' theoretical course of study, and two years' practical course of which the first year is spent in workshops and the second in works. Under the rules of the Government of India Code recruits from the Indian Colleges are, after taking their theoretical course, appointed to the Department ^{on probation} as Apprentices for a period which may extend to three years in all. The Chief Engineer is of opinion that the "practical course" of Madras and the "apprenticeship" of the Government of India rules are really one and the same thing under different names, and that

there is no objection, so far as the Govt: of India Rules are concerned, to bringing an Engineer student on the permanent establishment of the Department after the two years practical course prescribed by the Madras rules, ~~proposed~~ ~~the~~

1. In his letter N^o 221C of 22 January 1895 to the Director of Public Instruction the Chief Engineer recommended that the practical course in the case of both Civil and Military Engineer Subordinate students should be reduced from two years to one year; and he considers that the same ruling should be made applicable to Engineer students also. This year of practical study should be called the year of Apprenticeship. The effect would be that the men would be permanently posted to the P. W. Dept., if favorably reported on, in 4 years after entering the College instead of

five as at present.

3 In this connection the Chief Engineer desires to draw special attention to the last part of para 6 of his letter to the Director of Public Instruction quoted above, which is as follows—
"I have very little faith in the value of so called practical work which is not accompanied by responsibility, and consider that when once a man has completed the course of theoretical study which is all a College can give him the sooner he is put upon really practical (i.e. responsible) work the better."

3
J. W.
No. 321D 7th June 1895
Transferred to the Educational Dep^t.

J. The Educ. Dep^t

3
J. W.
11/8/95
56 W

Cms 3973

20 W

In Rule IV of the
G. P. S. Resolution printed
with G. O. No. 2232 W of 12th
August-1892, in inaugurating
the Provincial Engineer
estab^t, it was laid
down that recruits from
the Indian colleges shall
be appointed apprentices
engineers on Rs 100 per
month, & shall remain
on probation until they
have proved their thorough
fitness for service in the
dept. This apprenticeship
may extend to
a period of three years,
& if not recommended
for confirmation ^{at the} ~~they~~
^{end of that time, they}
are liable to be removed ^{when}
from the Dept. If
recommended as fit,
they are to be promoted
to Asst. Engr 3rd
Grade (new classification)
on Rs 250 per mensem.
Since the date of the
above Resolution, the

L. of J. has ruled that ap-
prentices may receive Rs 150
per mensem after 6 months
approved service (vide para
11, Chapter I, Vol. I P.W. Code)
These rules will apply only
to students who entered
the College after July 1892,
i.e. to students who com-
menced the Theoretical
Course in January 1893.

In para 2 of G.O.
dated 10.11.92, No 800
Educational (G.O. No 3293W
of 2.12.92) it was decided
that the appointments
as Apprentice engineer
should be conferred
after the completion of
the two years' practical
Course - Thus the suc-
cessful student will
spend 3 years in the
College, one year in the
workshops, one year on
works, and then after
5 years training, he will
commence his appren-
ticeship in the Dept.
which may extend to
any period up to 3
years, before he
becomes an Ant-Eng.

3: (vide on Rs 250. This
decision in the Educational
Dept. appears to have
been given without any
reference to the P.W. Dept.

In para 20 of his
report on the College for
1893 (page 12 of L.O. of
16.6.94, No 443 Sd/-) the
Principal recommended
that the L. of J. ruling
regarding apprentice
service should be
declared inapplicable
to students, as the second
year's practical course
should render any further
period of apprenticeship
unnecessary. In para
2 of the G.O. it was
stated that the matter
would be duly con-
sidered if the arguments
in favour of the change
were set out more fully.
The Director of Public
Instruction now points out
that the guaranteed ap-
pointment was originally
to be given to the successful
student at the end of two

years theoretical training at
the College, but that since 1950
the reorganization of the
College, three years theoretical
training & two years practical
training are required before
the Post-Grad. Eng. is
conferred. This extension
of time to 5 years
was considered a hardship
& unpopularised the Engineer
class for a time, & were
it not that appointments
on the upper subordinate
scale & in Local Boards
were thrown open to
Engineer students, the class
would have fallen considerably
in numbers. The D.P.I.
considers that the new
rule under which an
apprentice course is required
after 5 years of training
will counteract the en-
couragement shown by
Govt. to Engineer students.
He also shows how un-
fortunate the Madras College
is in that students of the
Poona College can become
apprentice engineers after
a three years College course,
& those of the Purdie College
after two years. After

after further argument, the
D.P.I. urges that if the
Govt. is not pleased to
reconsider its decision
that the apprenticeship
should begin after the
completion of the two
years practical courses,
the apprentice engineer
should at least be
paid an initial salary
of Rs 250 per mensem.

The Educational Dept.
has referred the D.P.I.'s
letter to the P.W. Dept.
for remarks.

It is submitted
that neither Major Davis
suggesting that the apprentice
service be declared
inapplicable to Madras,
nor the Director's recom-
mendation to allow an
initial salary of Rs 250
to apprentices can be
sanctioned without reference
to the G.O. of I. & possibly
to the Secy of State. The
Apprentice Service, & the
pay during such service,
as laid down in the
P.W. Code, must be
complied with, unless direct
assent to a modification

of the rule is obtained.
The two years' practical
courses have however been
prescribed by this Govt,
and it is therefore open to
this Govt to rule that
the apprenticeship of the
successful student shall
commence either at the
end of the college theo-
retical course (i.e. at
the commencement of
the workshop year), or
at the commencement of
the second year's practical
course on works.

When the question
of curtailing the period
of training for soldier
students was referred
to you for remarks, you
expressed the opinion
that the two years' practical
training might well be
reduced to one both for
soldier & civil students
(vide No 221 C of 22.1.95)

If the same principle be
considered applicable
to engineer students,
the reply to the present
reference might be

to the effect that the
apprentice service of the
student who obtains the
annual
guaranteed appointment
should commence on
completion of the workshop
year.

For orders.

Cd
20/5/95

In my opinion the
"practical course" and the
"apprentice ship" are only
one and the same thing
under different names, and
the effect of the present
rule appears to be that
the period occupied
in these positions counts
as three years, in addition
to the three years of theoretical
training at the College.

In note No 1000 letter
No 221 of 22nd Jan'y 1895
to the Director of Public
Instruction I have expressed
the opinion that the

so called free trial
course should be selected
from the year to one
both for military and
civil students of the
Engineer who sit in the
class, and the same
rating should be in
Division of the
engine students -

I would also call
this year the year of
apprenticeship, in the
case of these students; the
effect would be that a
man could ~~obtain~~
permanently posted in
four years after entry to
the College in trial of
five?
six as at present -

In this connection I
would draw special attention
to the last part of the
paragraph quoted above, from
my letter to the D.P.S.,
which is as follows