

Law (1925) Department.
(Education)

Ordinary SERIES.

G.O. No. 472

DATED 6 - 4 - 1925

[Despatch Abstract.]

College.

Engineering--Guindy--project course--inclusion in the
curriculum--orders passed.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	1328						
	4-11-22						

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	1978						
	19-11-22						

G.F. 29-5,000-2-10-22

L a w (Education) DEPARTMENT.

Received



Registered

192

L. En. 5524
30/1/23.

Subject.

Engineering College, Guindy--inclusion of project
course--proposals submitted.

ENCLOSURES.

No. Copy of Principal's
letter
& its enclosures

R. O. - C. No. 1204 - C/22

Spare copies

Station Madras, Dated the 25th January 1923

From (Name) R.G. Grieve Esq., M.A., F.R.G.S., M.L.C.,

(Designation) Ag. Director of Public Instruction

To The Secretary to the Government of Madras,

L a w (Education) Department.

Sir,

With reference to para 1 of G.O. No. 1328 Law
(Education) dated 4th November 1922 I have the honour to
submit herewith a copy of letter No. R.C. 809/22 dated 22nd
January 1923, (with its enclosures) received from the
Principal, College of Engineering, Guindy, on the inclusion
of a project course for the Engineer class.

2. I request that Government will be pleased to
pass very early orders on the proposal so that the project
course

course may be included in the college rules which are undergoing revision.

I have the honour to be,

Sir,

Your most obedient servant,

R. P. S. S. S.
29/1/23

For Director of Public Instruction

T. R. 26/1

Copy of letter from the Principal, College of Engineering Guindy, R.C.No.809/22 dated 22nd January 1923 to the Director of Public Instruction, Madras.

With reference to Proceedings R.C.No.2672 dated 9-11-22 I have the honour to submit herewith minutes of meeting held at the Public Works Department Secretariat and the remarks thereon of the Chief Engineer for Irrigation and Chief Engineer, Public Works Department, with regard to the inclusion of a project course in the College curriculum for the Engineer class. I request that early orders of Government may be obtained on the proposal so that the project course may be included in the College rules which are undergoing revision.

MINUTES OF MEETING HELD AT PUBLIC WORKS DEPARTMENT SECRETARIAT 3-30 P.M.

January 11th 1923.

Ref:- G.O.No.1328 Law (Education) Department dated 4th November 1922 regarding Project Course for Engineer students, College of Engineering.

Present. W.Hutton Esq.,
Col.A.H.Morrin.
C.L.Cartwright Esq.,

The following particulars regarding the proposed project course with details of expenditure involved were put before the meeting by Mr.Cartwright.

Object:- The object aimed at is to turn out final year Civil Engineer students capable of making a complete survey which a senior officer can examine, criticise pass orders upon, and hand over for execution. To attain this object it is essential for students to work independently of each other. As an example it may be assumed that a metre gauge line has to be constructed from the Mount Station to Avadi via Ponnammalai. The best route for the line would first be determined on, the line would then be divided into a number of sections and each student would be held responsible for the survey of his particular section.

Duration of Course. The course would be confined to final year students and the field work would be carried out preferably during the month of December so as not to clash with the annual Survey Camp and the project would subsequently be completed in the College. With the stock of instruments available, it would not be possible to carry on the project course and general survey camp for other classes simultaneously.

Staff and Equipment. Each student would be provided with a Theodolite, Level, Plane Table, Chain etc., and be assisted in his work by lascars.

Batta. Owing to the small number of students who would be able to mess together and the difficulties of procuring food in out of the way places it would be necessary to increase the daily batta given to students during camp from As.6 to As.12 or say to Rs.20 for Indians and Rs.30 for Anglo-Indians and Europeans.

Tents. For satisfactorily carrying out a project, it is essential that suitable tents be provided for both students and lascars.

Expenditure. Assuming an average strength of class of 25 details of annual recurring and non-recurring expenditure ^{are} given below. Some of

of the non-recurring expenditure may, however, be avoided if suitable tents can be supplied by the Public Works Department.

ANNUAL RECURRING EXPENDITURE PER STUDENT.

Batta	Rs. 20
Cost of 5 lascars' wages at Rs.10 each	50
Share of cartage of material & tents to and from site.	8
Batta for 5 lascars Rs.5	25
Pegs, flags, etc.,	5

	108

For 25 students. 2700

Deduct Batta @ As.6 per day at present)	200
given to these students during survey)	-----
camp	2500
Add Annual repairs to tents.	200

	2700

Approximate Non-recurring Expenditure.

7 E.P.tents at Rs.680 each	4760
5 Kitchen tents at Rs.100 each	500
25 Lascars tents at Rs.120 each	3000

	Rs. 8260

So far as the annual recurring expenditure is concerned the amount required plus the annual allotment for General Survey Camp will not exceed the annual allotment made under this head for Survey Camp when the College was at Chepauk.

The above proposals met with the general approval of the meeting and it was felt that the proposed project course would undoubtedly serve a useful purpose and should be given a fair trial.

(Sd) C.L.Cartwright
Ag.Principal.

R.C.No.809/22

Copy communicated to: W.Hutton Esq., Chief Engineer, P.W.D Madras.
Col.A.H.Morrin, Chief Engineer for Irrigation for favour of approval and remarks.

485 C., dated 17-1-23

I approve the principles. It is mainly a question of finance. The tent bill might perhaps be reduced by transfer of surplus from other Departments. I am sure there are surplus tents in the P.W.D. if no where else.

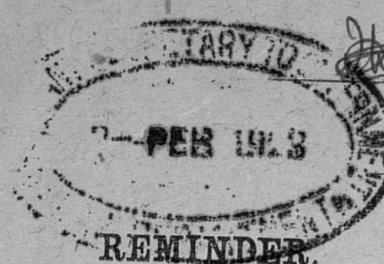
(Sd) C.M.

I agree with Col. Morrin's remarks.

(sd) W.H.

(True copies)

For Director of Public Instruction



Department.
Education Branch.

L. Cou 6084
2/2/23

Encls:-Nil

REPLY.

R.O.C.No.1204-C/22 Dated 30-1-23.

To

The D.P.D.

To

The Secretary to Government,

Law (Education) Department

The undersigned has the honour to invite
is directed to invite
invites

attention to the communication noted in the

No. 1328, dated 4-1-22

margin and to

request that

this reminder may be returned at once with
information as to—

(1) the stage at which the matter now is, and

(2) the date by which a reply may be
expected, and

(3) the circumstances which have caused the
delay.

It is requested that the reply to this
reminder may be sent not later than

Resubmitted.

(2) I have already submitted the

necessary proposals in my letter R.O.C

No. 1204 C of 22 dated 25th January --

1923.

for Director of Public Instruction.

G.M.31.1.23

31.1.

OFFICE

1 FEB 1923

Office Law Dept.

Station Fort St George

Dated 25-1-23.

Signature.

Designation.

SUBJECT.

Engineering Course - Engineer

Class - Project Course



Urgt 6/5 Law Long sept.

Telephonic message

From
The U.S., Law Long sept.

To
The D.P.D.

Ref. your letter no.
Roc. 12041/22 of 25-1-22,
regarding project course
in the Engineering College.

Please say whether
provision should be made in
the next year's budget for the
extra recurring expenditure
of Rs. 2700/- or whether
it ~~can~~ be met ~~by~~ from the
~~provision~~ ^{provision} in the next
year's budget, as agreed to by
Finance.

sent
11/1/23

Please remind.
Reminded
11/1/23
5-2-23

11/1/23
5-2-23

11/1/23
2-2-23

11/1/23
2-2-23

Dated

192

Hour

Minutes.

TELEPHONIC MESSAGE.

From

Mr. D. P. I.

To

Mr. L. E. Eon.

p. 6 auto
you T. M. of 2-2-23.re Budget - Provis - Project
Census.

Provis should be made in
the next year's Budget - Provis
add. grant \$2700 as it
cannot be met from the Provis
in the Budget. Est. 23-24
as agreed to by Finance. In
addition to this a survey of

From

\$2260 (non-recurring

To

Grant) for the purchase

of tents as stated in

minutes of 11-1-23. Will be
required unless P.W.D. can ~~definitely~~
promise to supply them from

their stock.

p. 4
auto
7-2-23

Subject - College of Engineering - Project Course.

[Cn. 552A]
H-24

From the D.P.D., R.O. No 1204/22/25-1-23.

Attention is solicited to the notes on pages 4-6 of G.O. No. 1328, of 4-11-22, and para 1 of the G.O.

2. The expenditure on account of the inclusion of a project course in the curriculum of the Engineer class is estimated at Rs. 2700/- per annum recurring and Rs. 8260/- non-recurring. The non-recurring expenditure which is intended for the purchase of tents ~~and~~ etc. might probably be avoided, by the transfer to the College of surplus tents from other depts, especially the P.W.D. - Vide also Col. Morin's remarks on page 4 cf.

3. No provision has, however, been made in the next year's budget to meeting the extra ^{recurring} expenditure of Rs. 2700/- which will have to be incurred in December 1923. The D.P.D. ~~may be requested to state whether the~~
~~extra recurring expenditure of Rs. 2700/- is~~
~~to be met from the budget.~~

states that this extra expenditure cannot be met by reappropriation in the next year's budget and that the necessary provision should be made ~~in~~ therein. In regard to the non-recurring expenditure also provision will have to be made, unless the P.W.D. can definitely promise to supply the College with the required tents from their stock.

The file may be forwarded to the ^{P.W.D. and} Finance Dept. ~~through~~ ^{for} remarks.

P.W.D.
Fin.

12.2.23

7.2.23

8.2.23

P.W.D.

Edm. no 552A-1
9.2.23

RECEIVED
10 FEB 3
CURRENT NUMBER
518

removed
10/2/23
vide details at flag 'W'

From the latest returns available

in the office it is observed that the following tents are surplus

- 5 servants' tents
- 3 Cashmere tents
- 2 Bechoha tents
- 5 Hill tents
- 1 shikari pal tent

10' x 10'
and
12' x 12'

10 necessary tents 4' x 4'

If any of these tents would suit the requirements of the College there seems

seems to be no objection to transfer them to the College provided the S.E.'s of colleges have no use for them in their own and the provision for the non-recurring

expenditure may be met by the Government. The file may be passed on to final with D.S.'s remarks.

1) Then are 25 students about 125 lessons, besides the instructor's staff, the provided with tents. P.W.D. surplus tents, if not right in the meantime, will just do for the students instructor, but 20 new servants tents will be needed for lessons unless they can be obtained elsewhere.

2) P.W.D. has had to write off ^{rents} 2 or 3 tents which have become unserviceable. The tents marked as surplus on p. 2. ante have therefore been reduced in nos. Since last return, probably more tents will be necessary than given in para 1 above.

C.T.A.
12/2

Final

P.W. no 518 Ac/23-1
12.2.23

Fin. 947B-1
13/2/23

Finance Dept.

The proposal is for the inclusion of a Project Course in the College Curriculum for the Engineer class. It involves an annual recurring expenditure of Rs. 2700 & a non-recurring expenditure of Rs. 8250. ~~for~~ As the proposal is

This will depend upon the tents actually supplied by P.W.D. from surplus stock

a new one, it seems it should be treated as a Part II scheme and referred to the Finance Committee. It is now too late to include any provision in next year's budget. If Law (Edn.) want to introduce the scheme next year, the ~~cost~~^{expenditure} will have to be met by reappropriation.

16.2.23.

Daily Batta to students. (Rs 20

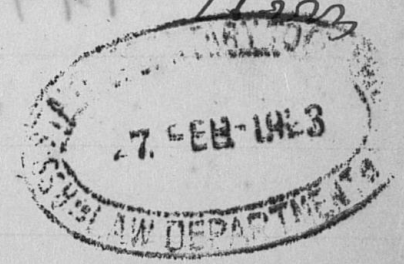
for Indians and Rs 30 for Anglo-Indians and Europeans) - The rates may be accepted.

Batta for lascars. - It is proposed to allow lascars a pay of Rs 10 and a Batta of Rs 5 per month. Each. The men will presumably be paid from contingencies and it seems preferable to give them a consolidated pay, the amount of which being determined with reference to market rates.

23.2.23

Law Dept.

L. No. 1059
27/2/23
Y. No. 947/1/1



The former remarks of the D.P.D. may be invited with reference to the question of tents and lascars' wages. A draft is now submitted.

26.3.23

26.3.23

3.3.23

Thro' G.S.R. Section

page 4 Cf.

page 4 Cf.

12 9 5
Law Dept.

U.O. Note

College of Engineering - ~~Inclusion~~^{Inclusion} of a project course in the curriculum for the Eng. class. D.P.D.'s letter No. 1204/22, 23-1-23

552A

pkcf

The Director proposes to allow the lascars to be employed to assist the students a pay of Rs. 10/- and a batta of Rs. 5/- per mensem. The men will presumably be paid from contingencies and it seems preferable to give them a consolidated pay, the amount of which being determined with reference to market rates. The remarks of the D.P.D. may be invited on this suggestion and as to what the ~~consolidated~~ consolidated pay may be.

2. The requirements ~~as to~~^{as to} tents as stated by the D.P.D. are: -

- 7 E.P. tents.
- 5 Kitchen tents and
- 25 lascars tents.

pkcf

The details of surplus tents with the ~~according to last return~~ P.W.D. are shown in the list at (W). It is stated that 2 or 3 tents have ~~been~~ been written off as unserviceable since last return. These surplus tents will perhaps do for the students and

removed

552A-2
3.3.23

and instructors. The D.P.D. may be requested to state ~~whether the surplus~~ how far the surplus tents of the P.W.D. will meet the requirements of the College and how many new tents will be required with their cost.

3. ~~As no provision~~ As no provision can be made in the next year's budget for the scheme, the extra expenditure will have to be met by reappropriation.

4. The remarks of the D.P.D. may be invited w/o. with reference to paras 1 and 2 above.

1-3-23

D.P.D.

3.3.23

U.O. Reply. 30-C/23 27/3/23

I have no objection to the lascars being given consolidated pay of Rs. 15 per mensem. As regards the tents the following from the P.W.D. list given could be used if serviceable:-

For students		
2	Cashmere tents	10' X 10'
1	do	12' X 12'
4	Hill tents	12' X 12'
1	do	10' X 10'
For servants		
4	servants tents	10' X 10'
1	do	12' X 12'
1	shikari pal	10' X 10'

Necessary tents

3 necessary tents 4' X 4'.

In addition to these 25 lascar tents will be required at an estimated cost Rs. 120/- each making total of Rs. 3000.

13/3/23

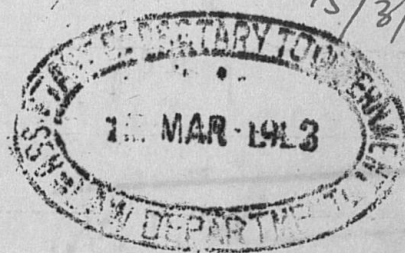
Eq. no. 552 A-2
3-3-23

(cf. list in list 11)

SP. 5 Eq. no. 30-C/23

L. Eq. 1376 A

15/3/23



552A

Last signature of P.W.D.
Sept. 1922 in p/4 date &
the Director's note in p/bank

p/bank

Vide flag (W)
removed

M-3-4 auto

It meets
on Saturday
next
at 2/13

The pay of lascars may be fixed at a consolidated rate of Rs. 15 each per mensem. The P.W.D. may be requested to place at the disposal of the Principal the tents mentioned in the D.P.D.'s note ante. Apparently the other surplus tents with the P.W.D. are not considered useful. Sanction may be accorded to the purchase of 25 lascar tents at a cost of Rs. 3000/-.

3. The Finance Dept. have suggested that the ~~new~~ proposals should be placed before the Finance Committee. It is not known whether ^{and if so when} the Finance Committee is going to meet. It does not, however, seem necessary to hold over ~~the~~ the case till the Finance Committee meets. The proposals may be sanctioned subject to the condition that the extra expenditure in 1923 ^{should be} met by reappropriation.

4. A draft order is submitted. It may be sent to the Finance Dept. for acceptance.

21.3.23

22.3.23

P.W.D.
Finance



DE 3

Eq. no. 552 A-3
23.8.23

19.3.23
20/3/23

RED

DS.

The draft order may be accepted & the file forwarded to the Finance Dept. When communicating the order to this Dept. the Law (Edn.) Dept. may be requested to forward a copy of this Dept's note on pp 2 & 3 ante.

24.3.23
CR.
27.3.23

Take copy of para 2 of the draft order, & arrange about transfer now, so that the surplus funds may be moved immediately the draft order is issued.
C.T.1
24.3.

Extract taken for separate action.
CR.
30.3.23.

Under Mr
7.P. 32-36
W.P.

After this transfer to Finance.

Finance a.o.

Finance Dept.

There is no provision for the proposed project course in the current year's budget. & the A.P.D. stated (on the 7th Feb. last) that it would not be possible to meet the expenditure in the current year by reappropriation. The Law (Edn.) Dept. have, however, proposed that the expenditure should be met by reappropriation.

2. The scheme, being a new one, should, it is submitted, be referred to the Finance Committee. The date for the next meeting

P.W. no. 1174 Ac-1
4.4.23.

VS BDE
Fin ch 3675 Bi
5.4.23.

1.7 CF



para 4 of draft

cf. Fin. note on pp. 3-4 ante

of the Committee has not yet been fixed. It is, however, for consideration whether this proposal may not be postponed for consideration in connection with the budget proposals for 1924-25. It has not been stated that the scheme is one of imperative urgency.

3. If it is decided to introduce the scheme in the current year, the Law (Edn.) Dept. may be requested to prepare a note for the Finance Committee. The date of next meeting will be duly notified to them.

4. The following remarks are called for in regard to the estimate of expenditure:

Recurring expenditure: It is anticipated that the average strength of the class undergoing the training will be 25 & that the total annual cost will be Rs. 2,700. This allows 5 lascars on Rs. 15 each for each of the 25 students. It is doubtful if as many as 5 lascars for each student are absolutely necessary. Law (Edn.) may, perhaps, be requested to consider if the number may not be cut down.

1.4 CF

1.3 CF

1.4 CF

Non-recurring expenditure: The P.W.D have undertaken to supply certain tents from their surplus stock. In addition, a sum of Rs. 3000 is required for the purchase of tents for lascars. ~~Submitted~~

~~that the estimate may be adopted.~~

9.4.23. As above - From para 2 of the draft order

it would appear that only 14 tents are being provided for the students as each student is to have a lascar but for his lascars it is not clear why 25 lascar tents are at present necessary, unless it is intended to use some of them as necessary tents. Law may be requested to clear up this point.

S. W. 10/4/23

The number of lascars for each student.
(1) and the number of tents required.
(2) further examination. When these points are settled a note may be prepared for Finance Committee. There is no budget provision and it seems possible that the scheme might wait and

1.4.23
1.8.23

Only 8 for the use of students - please see 2035 note on page 6 under the number of students who will undergo training 25 and the number of lascars employed 125 (5x25)



L. En 1850 A
16/4/23.

Fin wo 3075 BI
14.4.23

1/552/A-4 630
24/4



E. B.

be considered as a Part II scheme for 1924-25. The Income R. is stated that the best time for the field work is in December. There would perhaps be no objection if the Finance Committee considering it when they meet in July or August. If by that time it is possible to indicate any specific

sources of appropriation
12/13/23
Law & Co
d. m. (2031)

A note to D.P.D. with regard to K overleaf or subd.

To
17.4.23.
N.B.
20/4/23

CA
22-4-23
19me
23423

The number of lascars for each student...
The number of tents required...
Further examination...
When these points are settled a note may be prepared for Finance Committee.



19
13
Law (Education) Department

Subject:- College of Engineering, Guindy--inclusion of a project course in the curriculum for the Engineering course--Letter from the D.P.I., R.O.C. No. 1204-C dated 25-1-23

The D.P.I. is requested to explain in detail the need for as many as five lascars to assist each student. He is requested to state whether a reduction in their number is not feasible.

2. The number of tents originally applied for by the D.P.I. are as follows:-

7.E.P. tents
5 kitchen tents
25 lascars tents

In his u.o. note No. 30-C, dated the 13th March 1923, the D.P.I. agreed to take over the undermentioned surplus tents from the P.W.D.

- ✓ 3 ~~lascars~~ tents) for students
- ✓ 5 Hill tents)
- ✓ 5 servants' tents) for servants
- ✓ 1 shikari pal)
- ✓ 3 necessary tents

In addition, he also asked for permission to purchase twenty five lascars' tents at a cost of Rs.3,000. In view of the fact that as many as 17 tents are to be taken over from the P.W.D. the D.P.I. may be asked to state whether it is not possible to reduce the number of lascars' tents to be purchased.

13
6945714
1374
13
N.F.

24.4.23

D.P.I.

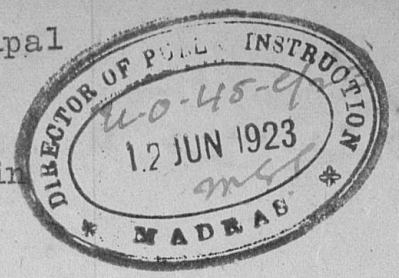
24.4.23

U.O. Reply No. 45-C/23 d/18-6-1923

I have discussed this matter with the Principal of the College of Engineering. This is the first year in which the Project Course is carried out in the College of Engineering and the Principal is accepting what experience has shown to be necessary for the Project Course at Roorkee College. The number of lascars requested viz., 5 per student is the number which is allowed for the Project Course at the Roorkee College. This is the only College in India at present where such a course is held and the Principal does not consider that it will be possible to run the Project Course with less than 5 lascars per student although if he finds that it is possible to dispense with some of the lascars when some experience is gained he will do so.

Each student will be provided with a theodolite, a level, a plan table, rods, chain, levelling staves, etc., for which he will be held personally responsible. One essential feature of the Project Course is that each student works by himself and is thereby different from the work done in a survey camp where the students work in groups. When at work on the Project Course two lascars are required for chaining. At least one and sometimes two lascars are required to hold levelling staves. One at least is required to be in charge of the instruments which are with the students but are not for the moment in use. In addition four students live in each tent and it will be necessary to leave one lascar behind in each tent to look after the survey articles left in camp and ~~the~~ keep the camp clean so that all the lascars will not be available for work in the field at the same time.

During the coming session there will be 25 students to undergo the course. The Principal agrees to reduce



22x120
=2640
26x22
=572
2640

to reduce the number of tents required from 25 to 22 in view of the surplus tents to be taken over from the P.W.D.

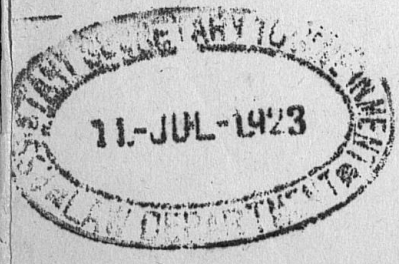
18623

Law (P.O.) Dept.

his
I am the S.P. D. look above. it will be seen that no reduction in the number of lascars is feasible.

2. As regards the reduction in the number of tents, the S.P. D. has agreed to reduce the number from 25 to 22. This brings down the cost to Rs 2640.

3. As Finance Committee has the sanction of the Finance Committee should be obtained before giving effect to the scheme. A note for the Finance Committee is submitted for approval. It may go to Finance for



an acceptance and for incorporation in the note of that Dept's remarks.
11-JUL-1923
7.C.474882
11.7.23
12.7.23
6.7.23
9/7/23

Finance Dep.

Please see the Finance Dep. notes on H 8-11 ante et seq.

The Finance Secretary (Mr. Lloyd) remarked that there was no budget provision for the scheme (Recurring cost ~~Rs 2,700~~ Rs 2,700 per annum and non-recurring cost Rs 2,640) and it seemed possible that the scheme might wait and be considered as a Part II Scheme for 1924-25. He also added that there would be no objection to the scheme being placed before the Finance Committee, if by the time of the meeting it was possible to indicate any specific source of reappropriation.

H 10-11 ante

vide H 2-3 of the Memo for Finance Committee (ante)

K

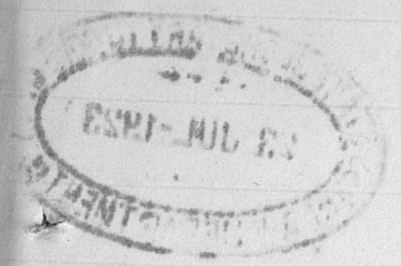
L

2. With reference to portion L above, it is submitted that Law (Edm.) have not definitely ascertained whether it is possible to meet the expenditure by reappropriation. In para. 2 of the draft note for the Finance Committee, it is merely stated that it might be possible to do so. C, has also

page 34 note Finance Committee

vide extra 9 nts at page 2

A.



separately considered that ordinarily no new scheme of expenditure should be embarked upon until sanction has been obtained to a supplementary grant. The proposals ^(in the present case) involve recurring expenditure & the scheme ~~is~~ has not been considered very urgent. Submitted that in the circumstances, it is better to revert to the suggestion deferred to at portion K on page 15 ante & to treat this as a Part II Scheme for 1924-25.

3. If however, it is considered that the scheme should be introduced in the current year, Law (Edm.) may first be requested to obtain definite information with reference to portion L on page 15 a before the matter is placed before the Finance Committee.

17.7.25

17/7/25

(With ref. to A. above), the scheme may be put before the Finance

17.

24

Committee as a Pat II scheme
for 1924/25, to be definitely
budgeted for, if considered by the
Finance Committee to be urgent.

BND

20.7.23

to Law.

Law Dept.

The file may lie over till the
next meeting of the Finance Committee
is announced.

CA
27.7.23

note for the
Committee

DA
26.7.23

note nyp to Fin Committee at once

There is a point - - - - -

Prepare a note for the Finance Committee at
once. (2) There is a possibility of giving effect to
the proposal even in the current year,
if savings can be found in the College budget itself

W
3/8/23



L-En 32334

23/7/23

Law Dept.
27.7.23
23.7.23

KA

552A

(below)

25 16 18

With reference to the Secretary's
note on the previous page it is submitted
that a note for the Finance Committee
~~was~~ ^{was} already prepared and sent to
the Finance Dept. That Dept. ~~has~~
refused ^{assent} to the scheme being given
effect to in the current year. In view
of the Secy's note ante, the file may be
sent again to the Finance Dept. for
incorporating their remarks in the
note for the Finance Committee. Before
doing this the D.P.D. may be definitely
asked whether the expenditure can be
met by reappropriation in the current
year. It is not likely that there will
be sufficient savings in the College
budget itself. The D.P.D. may ^{however} be
asked to state whether the expenditure
can be met from the College budget
itself and, if not, from any other
source in the Education budget.

A draft T.M. is accordingly
submitted.

CA
3.8.23

DA
3.8.23

The question whether the proposed course
should be undertaken this year will
depend on savings. Meanwhile the
first step is to get the scheme

26 19

Through the Finance Committee
Note to

Enclaw

W 2/8/23

Lambour 552A-6

BB 25089 B.D. 4-8-23



Finance Dept

(Previous notes of this Dept are on pages 15-17 and).

Submitted that the scheme may be placed before the Finance Committee and the (Finance) Secretary's note on the 16-17 and may be treated as 'Note by the Finance Department' to be entered in the draft note for the Finance Committee below.

W 6.8.23

W 6/8/23

AmD 7/8

Law

Law (En)

Enclaw: 5089B 7.8.23

May be circulated to the Honble the Minister & the Hon. the Finance Member for approval of note.

M3 C

W 2.8.23 27/8/23 28.8.23

W 8/8/23



Enclaw 3500 A/8023

10/8/23

27 2017

Law (Education) Department.

Inclusion of project course in the College of Engineering, Guindy.

NOTE FOR THE FINANCE COMMITTEE.

Last year the Government accepted the recommendation of the Conference on Engineering Education held at Simla in 1921 to include a project course in the curriculum of the Engineer Class in the College of Engineering, Guindy. The object aimed at is to turn out final year Civil Engineer students capable of making a complete survey which a Senior officer can examine, criticize, pass orders upon and hand over for execution. To attain this object it is essential for students to work independently of each other. The Director of Public Instruction was accordingly requested to submit proposals in consultation with the Chief Engineer, P.W.D., and the Chief Engineer for Irrigation.

PROPOSALS OF THE D.P.I.

The D.P.I. considers that the course should be confined to final year Engineer Students and that the field work should be carried out preferably during the month of December so as not to clash with the annual survey Camp. The following are the particulars regarding the proposed project course:-

NATURE OF THE FIELD WORK.

By way of illustration of the sort of work which the students are to be put on, the construction of a metre gauge line from the Mount Station to Avadi via Poonamalle is assumed. It would first be determined what shall be the best route and then the line would be divided into a number of sections, each student being held responsible for the survey of the particular section allotted to him.

STAFF AND EQUIPMENT.

Each student would be provided with a theodolite, a level, Plane table, chain &c., and be assisted in his work by lascars. The D.P.I.

Go 1328d. 4. 11. 22

vide page 3 of el.

para. 17 of Go. (11/23)

p 3 of el.

ibid

ibid

proposes to give each student the help of 5 lascars on a pay of Rs.10 each plus a batta of Rs.5. He considers that it will not be possible to run the Project Course with less than 5 lascars per student. For, when at work, two lascars will be required for chaining, at least one and sometimes two to hold levelling staves and one at least to be in charge of the instruments. In addition, 4 students will live in each tent and it will be - - necessary to leave behind one lascar in each tent to look after the articles in the Camp.

Batta: Owing to the small number of students messing together and the difficulties of procuring food in ~~any~~ out of the way places, the D.P.I. proposed a daily batta of ~~Rs.12~~ ^{annex 12} per diem or Rs.20 per mensem ^{roughly} per Indian student and Rs.30 per mensem per Anglo-Indian student.

Tents:- For satisfactorily carrying out a project, tents are essential and it is proposed to supply suitable ~~ones~~ ^{ones} for students and lascars.

Expenditure: Assuming an average strength of class of 25, the scheme involves the following - annual recurring and non-recurring expenditure.

(Annual Recurring expenditure).

Per student.

Batta.	Rs. 20.
Cost of 5 lascars' wages at Rs.10/ each.	" 50
Cartage of material and tents.	" 25
Pegs, flags &c.,	" 5
Total -	Rs. 100

for 25 students. Rs. 2,700

(Non-Recurring expenditure).

7 E.P.Tents at Rs.680/- each.	Rs.4,760
5 Kitchen tents at Rs.100/-	Rs. 500
25 Lascars' tents at Rs.120/-	Rs.3,000
	Rs.8,260

Recommendations of the Administrative Department.

The proposals of the Director of Public Instruction are accepted subject to the following modifications:--

(1)

note page 13 of N.F.

p. 3 of cl.

this

page 4 of cl.

Batta for lascars at Rs 5 each } 25

Desert Batta @ Rs. 6 per day at present given to student during survey camp 2500
Add Annual Repairs to tents 200
2700

2. As regard the scheme itself, we find that a sort of trail like this is quite necessary for the students for outdoor work; whilst at the same time in survey cannot be said to be adequate.

P.R.

20 copies of the note sent to Finance on 11-8-23

(1) The lascars will be given a consolidated pay not exceeding Rs.15/- per mensem, the exact amount being determined with reference to market rate - - instead of Rs.10 plus 5 as batta.

(2) As the P.W.D. has with it a certain number of surplus tents which will be available for the - - project course, the purchase of 22 tents at a cost of Rs.120/- each is considered sufficient.

This brings down the non-recurring expenditure to Rs.2,640/-.

3. It might be possible to meet the expenditure in 1923-1924 by reappropriation within the budget - provision under 31-Education.

C.S.D./2-7-1923.

6-7-23.

Note by the Finance Department

The scheme may be placed before the Finance Committee as a Part II scheme for 1924-25.

B.D.

7-8-23.

21
25
30
37114
20/8/23
Finance Department.

Extract from the proceedings of the third meeting of
the Finance Committee for 1923-24 dated 17th August 1923.



Resolution No.2. College of Engineering, Guindy, Project
course.

The Committee are unable to recommend the
proposal for acceptance.

* * *
A
14.8.23

Copy communicated to Law(Education).

The proposal is to give a practical course
of training to Engineers. The ^{18-8-23.} are

To Law(Education.)
hoarse with crying that the universities are
unpractical is theoretical. But when we
propose a practical course, no funds.
Include - English open for all
Law (Ed. Deptt.)

The Finance Committee has not accepted
the proposal for the ^{institution} of the project course.



For orders

21-8-23

It is not clear what the reason
of the Committee was in rejecting
the proposal - on financial grounds
or on merits. If the former it is
temporary.
Include this in the budget. Part II -
while will come up
before the Council
as to the next course
to be pursued.
21-8-23
M3. 23/8/23

A draft order negating
the ~~propo~~ proposal is submitted

I am not sure whether
the scheme itself is to be
~~a~~ turned down. May it
not now be considered on
its merits so that if accepted
the question of further progress
may be considered at the time
of the next budget?

OK
1.4.24

The proposal is to give a practical course
of training to Engineers. The public are
boarse with crying that the instruction we
unpark is theoretical. Now when we
propose a practical course, no funds.
Include - English & pen forward

WV 4/24

The question of the budget provision required
for the inclusion of a project course in the curriculum of
the Engineer class has apparently to be considered in connection with
the budget for 1925-26. At the beginning of last year
the D.P.D. agreed to transfer certain ^{surplus} tents
to the College of Engineering - vide D.P.D. note
on pages 2-3 ante. The number ^{and} description
of the tents which the D.P.D. considered serviceable
are shown in his note on page 6 ante.
Before sending me file to Finance, the D.P.D.
may

55amps



course

proposal for acceptance.

Copy communicated to Law (Education)

The proposal is to give a practical course
of training to Engineers. The public are
boarse with crying that the instruction we
unpark is theoretical. Now when we
propose a practical course, no funds.
Include - English & pen forward

to

Law (Education)



For order

It is not clear what the reason
of the Committee was in rejecting
the proposal - in financial terms
or on merits. The report of
the Committee is not available.
The proposal is to give a practical course
of training to Engineers. The public are
boarse with crying that the instruction we
unpark is theoretical. Now when we
propose a practical course, no funds.
Include - English & pen forward

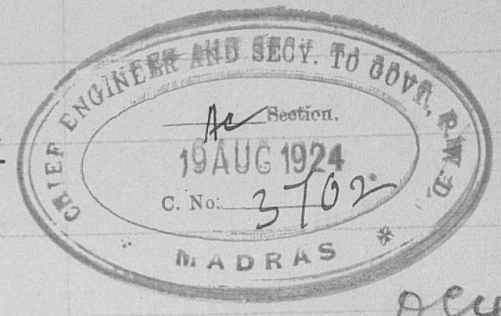
may be requested to state whether the tents mentioned in the Director's note are still available for transfer to the College of Engineering

JA 16.8.24 16.8.24 P.W.D. 16.8.24

552 A/23

Landed 2104 18.8.24

P.W.D.



decy

he

Since this draft was written, the scale of tents supplied to officers of this dept. has been revised and the surplus tents now available in the General stores are shown in column 3 of the annexure to G.O. No.

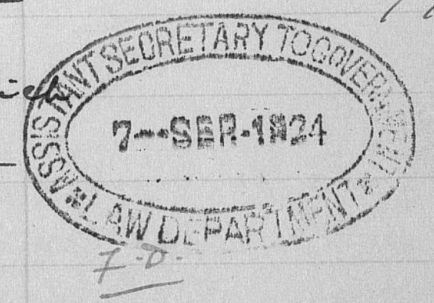
805W of 17.7.24. The Education Dept may be requested to send a copy of this G.O. to the D.P.S and ascertain from him which of the surplus tents he would like to have.

C.R. 23.8.24

Law (Edn)

JA 17.9.24

W/S/M



P.W.D. No. 3702 Ac/m-1 5-9-24

Law (Engg) Dept.

The D.P.S may be consulted.

A draft u.o. note is submitted.

2104

JA 9.9.24 9.9.24

JA 10.9.24 V.T.K. 11.9

no note sent on 11-9-24

Since this draft was written, the scale of tents supplied to officers of this dept. has been revised and the surplus tents now available in the General stores are shown in column 3 of the annexure to G.O. No. 805W of 17.7.24. The Education Dept may be requested to send a copy of this G.O. to the D.P.S and ascertain from him which of the surplus tents he would like to have.

O.C.O

Urgent.

34

22
Law (eng) Dept.

U.O. Note

2106e

College of Engineering - Inclusion of
a project course in the curriculum
for the Engineer course - Correspondence
ending with the D.P.D.'s no. notes
No. 45-C/23, 27.18.6.23.

(H)

11/13-14/24

In his no. note of No.

(C)

16/11/23

30 C/23, 27.13.3.23, the D.P.D. stated
that the following tents then available
with the P.W.D. as surplus could be
used in connection with the proposed
project course: -

For students

2 cashmere tents	10' x 10'
1 do	12' x 12'
4 Hill tents	12' x 12'
1 do	10' x 10'

For servants

4 Servants' tents	10' x 10'
1 do	12' x 12'
1 Shikari pal	10' x 10'

Necessary tents

3 necessary tents 4' x 4'

In addition to the above, it was reported that
22 lascar tents at a cost of Rs 120 each
would be required.

* of last portion of the D.P.D.'s
note 45-C-23 of 18.6.23
p 11/11

2. The P.W.D. have since revised the scale of supply of tents to the officers of that Dept. and consequent on this revision a larger number of ~~tents~~ surplus tents are now available ~~as surplus~~. The surplus tents are shown in the annexure to G.O. No. 805 W, dt 17. 7.24. The D.P. may be requested to state as early as possible which of the surplus tents in the P.W.D. could be used for the College of Engineering in connection with the project course, and whether the purchase of lascars tents cannot be avoided by the use of the tents ^{now} available ^{with} ~~in~~ the P.W.D. He may also be requested to state whether the original proposals for the project course require revision in any respect.

9.9.24
 9.9.24
 10.9.24
 V.TK
 11.9
 D.P. 1 U.O. *Lambdani 2104C-2*
 11.9.24

U.O. No. 86-C/m

P.T.O

U.O. Reply No. 86 C/m 9.9.24

Originally it was proposed that the project course should have equipment for 25 students. During the present year the class which is to take the project course contains 20 students. Next year it will contain 30 students since a larger number anticipated have taken the Civil Engineering side and a fewer number, ~~at~~ the Mechanical Engineering side of the college course.

The following scale of accommodation is considered suitable:-

- 3 students per tent;
- 2 servants for 3 students with 1 tent for every 2 servants and kitchen;
- 1 necessary tent per student;
- 5 lascars per student; and
- 10 lascars per tent.

According to the above scale the following tents are needed ~~for this year's course~~:-

- for students 7 tents;
- servants and kitchen 7 tents;
- lascars 100, 10 tents;
- necessary tents 20 tents.

For next year's course according to the above scale the following tents are required:-

- for students 10 tents;
- for servants and kitchen 10 tents;
- for lascars 15 tents;
- necessary tents 30.

If all the tents which are now available with the P.W.D. are transferred to the College of Engineering and if the scale of accommodation above noted is restricted somewhat it will be possible to conduct the project course without any additional capital expenditure for tents not only this year but in future years, that is so long as these

tents



L. En 2573C
 11/10/24

A

37
tents are serviceable.

As seen from the above the purchase of lascar tents can be avoided by the use of the tents now available with the P.W.D. The tents now available are larger than those which were proposed to be purchased as lascar tents. In consequence it is proposed that each tent will suffice for 10 lascars, while formerly it was only proposed to place 5 lascars in each tent.

Regarding the revision of the original proposals for the project course, administratively no revision is at present necessary. The college can arrange its classes and courses so as to fit in with the project course as soon as the project course is sanctioned. Financially, however, a recurring expenditure of Rs.2200 is required. This figure is arrived at as follows:-

The annual recurring expenditure per student is estimated at Rs.108;

for this year for 20 students this will amount to Rs.2160;

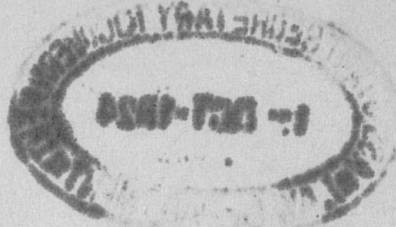
batta at 6 annas has to be deducted, that is, Rs.160 will be deducted leaving Rs.2000;

the annual repairs to the tents is estimated at Rs.200 making a total of Rs.2200 for the current year.

Next year the recurring liability for 30 students will be about Rs.3000/-.

Law (20/11)

The Scheme for the inclusion of a project course in the curriculum of the Engineering College was placed before the Finance Committee in August 1923; but the Committee recorded that it was unable to recommend it for acceptance. Since then, however, it has been possible to reduce the estimate of cost because the P.W.D. has now considered the surplus tents available with the P.W.D. as sufficient. So the need for inventing a



In details please see p. 21 note

A

PP 20-22/11

p. 23 note

p. 22 note

Law & Edu. 2104C-3
7-10-24



Fin. Ct. 22/11/24
7-10-24

Vide Fin. Committee's proceedings on page 23 ante

38
24 37
a non-recurring expenditure of Rs 2,640 as estimated on the previous occasion is omitted. Finance may be requested to say, with refer: to the revised estimate at 'A' on the previous page, whether they agree to the Scheme being placed before the Finance Committee for consideration as a Part II Scheme for 1925-26.

3-10-24

4-10-24

Finance 11/10

Finance (P.E.I.)
[Notes from p. 20 ante may be read]

The proposal relates to the inclusion of a Project course in the curriculum for Engineer Students in the College of Engineering, Guindy. The Scheme was considered last year and the Finance Committee, to whom it was referred, did not recommend the proposal for acceptance.

2. The Law (20/11) Dept. have now brought forward the proposal for consideration as a Part II Scheme for 1925-26. While the number of students who will take up the course in 1925-26 has increased from 25 to

30, it is proposed to omit ^{item of} Recurring expenditure as a larger number of surplus tents are now available from the P.W.D. The expenditure proposed last year and that now proposed for the next year are compared below: —

Expenditure originally proposed	Expenditure now proposed
1. Recurring expenditure	2. Recurring expenditure
Per student Rs.	Per student Rs.
Batta 20	Same as in column 1 — viz. Rs. 108.
Cost of 5 lascars' wages at Rs. 15 75	
Cartage of materials and tents 8	
Peeps, flags etc 5	
108	
for 25 students 2,700	for 30 students 3,240
Deduct batta at bas. per day at present given to students during survey camp 200	Deduct batta at bas. per day at present given to students during survey camp. 240
2,500	3,000
Add annual repairs to tents. 200	Annual repairs to tents. 200
2,700	3,200
Non-recurring expenditure	Non-recurring exps.
Cost of 22 lascars tents at Rs. 120 each. Rs. 2,640	nil.

Finance need not object to the proposal being placed before the Finance Committee as



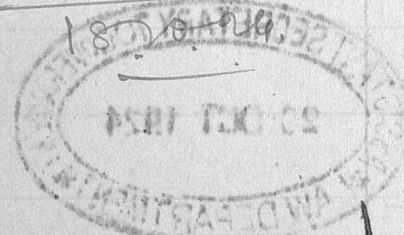
Rin no 2282 II
9.10.24

L. Lau 2675C.
9/11/24

Lau (Ed) no 2104 C.4
18.10.24



Rin Ct. 57828



A

as a Part II Scheme for 1925-26.

2/11/24
8.10.24

as a Part II Scheme for 1925-26.

A draft note for the Finance Committee is submitted. It was sent to Finance for incorporation their portions & the note.

14/10/24
15.10.24

17/10/24
18/10

Finance U.O

Finance (P.S.E)

The Finance note may be "The proposal may be placed before the Finance Committee as a Part II Scheme for 1925-26."

2/11/24
8.10.24

The Committee last year saw no advantage in teaching Madras Engineering

41

Students to Law railways
lines. Now is the value
of this course easily intelligible
in view of the fact that the
Students have an annual
Survey camp in which they
can practice levelling
Surveying of irrigation works
& channels. With Law
please explain the matter more
fully in the note for the
Committee

Brns 19/11

Law

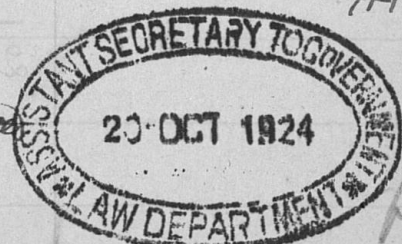
File no. 57 B E I - 1

20-10-24

Law (Edn) Dept

L-Ed 2796C

20/11/24



The training provided in the Project
Course seems to be of a more
advanced character than that

provided in the Survey camp; which consists of ordinary surveying with chain, compass & plane-table (put up)

The Director may be requested to
explain fully the difference between
the two kinds of training, in consultation

with the Principal, College of Engineering.

A draft note is submitted.

21.10.24

21.10.24

23.10

Submitted
10/11

42

20

Law (Edn) Dept

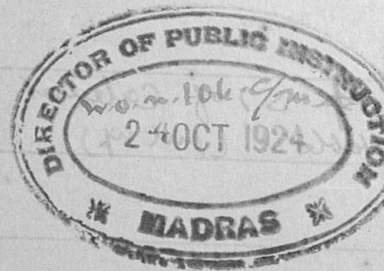
College of Engineering Inclusion of
a project course in the curriculum for the
Engineer Course Correspondence
ending with the Director's note 86C/24
29.7.24

The students of the
Engineering College have an annual
Survey camp in which they can practice
levelling and surveying of irrigation
works and channels. The D.P.T. may
be requested to explain fully, in
consultation with the Principal, College
of Engineering, the special features
of the proposed Project Course as
distinguished from the facilities
provided for the training of students in
practical work in the annual Survey
Camp.

21.10.24 21.10.24

22.10.

Law Edn. 2104C-5
23-10-24.



L-Ed 3/86C
26/11/24

U.O. Reply No. 104C/24-11-24

Government in G.O. No. 1328 Law (Education)
dated 4th November 1922 accepted the recommen-
dations of the Conference on Engineering educa-
tion held at Simla in July 1921 in regard to
the inclusion of a Project course in the College
Curriculum for the Engineer class.

The object

The object of the course is set forth in the minutes of the meeting held at the Public Works Department Secretariat on January 16th, 1923, a copy of which should be in the Government files. An extract is quoted below:-

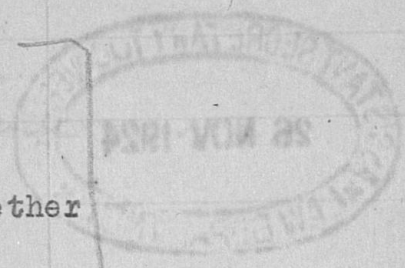
"The object aimed at is to turn out final year Civil Engineer students capable of making a complete survey which a senior officer can examine, criticise, pass orders upon, & hand over for execution. To attain this object it is essential for students to work independently of each other. As an example, it may be assumed that a metre gauge line has to be constructed from the Mount Station to Avadi, viz., Poonamalli. The best route for the line would first be determined on, the line would then be divided into a number of sections & each student would be held responsible for the survey of his particular section".

The difference between such a course and the ordinary annual Survey camp is that in the latter, students are divided up into batches, they work together and are assisted in their work by the Professor in charge and his assistants, with the result that the average student and those below the average depend very largely on the help obtained in their work from others and if left to themselves would not be capable of carrying on. On the other hand the Project Course which should be given only to final year students is a kind of test of individual merit and capability in which the students is unaided by others or by the teaching staff.

This is the best possible means of sorting out the students who when leaving the College could be trusted to carry out a Survey on their own responsibility. The course also should teach them self-reliance and to use their own initiative.

p-30cf

add to p-30



M

H. 25. 11

and develop students' power of initiative

Law (Education) Deptt.

The note for the Finance Committee already prepared contains the object of the proposed project course. The further information furnished by the D.P.I. may, if considered necessary, be added to the end of paragraph 2 (a) of the note. The file may be forwarded to Finance with reference to that Department's note at page 34 supra.

ing head

41. 27.11.24

CR 28.11.24

Add & submit VTK 1.12

A.S.

Added and subd.

1.12.24

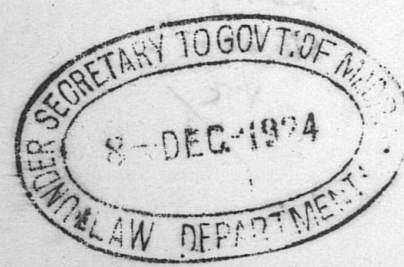
CR 1.12.24

VTK 2.12

Law Education 2104C-6 2-12-24

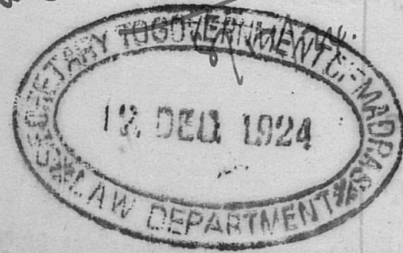
B.S.B

Fin. 309 B&I 3.12.24



Fin. 309 B&I 8.12.24

L. 33236



Finance u/o

[Finance noted last in pp. 33-34 ante]

The Finance note may be

as at A in p 33 ante.

CR 6/12/24

Rwd

7/11

Law

may be circulated to H. & C. for approval.

CR 8.12.24

VTK 9/12 M2

BBW

C4

45
I do not quite understand whether this is, so far as the final year students are concerned, to be in substitution for the annual survey camp or in addition to it.

In one place it is stated that the course should be in Dec^r so as not to clash with the annual survey camp; in another the latter ordinarily given for the survey camp is deducted from that which it is proposed to give for the course in arriving at the total cost.

RSL
11/12/24

It has been ascertained that, so far as the final year Civil Engineer students are concerned, the project course ~~has been instituted~~ ^{is to be} in substitution of the annual survey camp. The annual survey camp generally takes place after the Christmas holidays. Why it is proposed to hold the project course in December is explained in the following telephonic message received from the Principal, College of Engineering, Guindy: -

Telephonic Message.

From The Principal, College of Engineering, Guindy.
To The Assistant Secretary to Government,
Law (Education) Department.

Refce. Your T.M. dated 22-12-1924.

The reasons for the proposal to have the project course in December are

(i) There are insufficient survey instruments to run the project course and the annual survey camp

*
This is for other
than final
students

VTK

39
46 28
concurrently,

(ii) After the project course is completed considerable calculations and plotting work has to be done and if the course were to take place in January there would be insufficient time to do this work before sessional and university examinations.

23.12.24

I have amended the note

VTK
23.12

C4

seen
VTK
27.12

RSL
26/12/24

47 29

Law (Education) Department.

Note for the Finance Committee.

Part II Schemes - 1925-1926.

Inclusion of a project course in the curriculum of the College of Engineering, Guindy.

Proposals of the Director of Public Instruction.

The Conference on Engineering Education held at Simla in 1921 recommended the inclusion of a project course in the curriculum of the Engineer class in the College of Engineering, Guindy, the object aimed at being to equip the final year civil engineer students with capacity to make a complete survey of projects which a senior officer can examine, criticize, pass orders upon and hand over for execution.

2. The Government accepted the recommendation and called on the D.P.I. to put up proposals in consultation with the Chief Engineer, P.W.D. and the Chief Engineer for Irrigation. The Director has accordingly submitted detailed proposals for the course. He considers that the course should be confined to final year engineer students and that the field work should be carried out preferably during the month of December ~~so as not to clash with the annual survey camp~~. The following are the particulars regarding the proposed project course:-

(a) Nature of the field work.

The sort of work which the students are to be put on during the course is illustrated below. Assuming that the construction of a metre gauge

1/28
VH
CWB
Please have 20 copies of this note prepared for the Finance Committee
This must be typed with this away
19.12.24

go 1328 (X)
4-11-22

P. 3 CF

in substitution for the annual survey camp

P. 3 CF

in substitution for the annual survey camp

48

line from the Mount station to Avadi via Poonamallee is taken on hand it will first be determined what shall be the best route for the line to take and then the line will be divided into a number of sections, each student being held responsible for the survey of the particular section allotted to him.

The difference between such a course and the ordinary annual Survey camp is that in the latter, students are divided up into batches, they work together and are assisted in their work by the Professor in charge and his assistants, with the result that the average student and those below the average depend very largely on the help obtained in their work from others and if left to themselves would not be capable of carrying on. On the other hand the Project Course which is to be given only to final year students is a kind of test of individual merit and capability in which the student is unaided by others or by the teaching staff.

This is the best possible means of sorting out the students who when leaving the College could be trusted to carry out a survey on their own responsibility. The course will also teach them self-reliance and develop the ^{their} ~~students~~ powers of initiative.

(b) Staff and Equipment.

Each student is to be provided with a theodolite, level, Plane table, chain etc. and assisted in his work by lascars. Each student should have at least five lascars attached to him; two of these lascars will be required for chaining, at least one and sometimes two to hold levelling staves and one at least to be in charge of the instruments. In addition, three students will live in each tent and it will be necessary to

p. 36 NF

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* the scale for an Indian student.

leave behind one lascar in each tent to look after the articles in the camp. Each lascar should be paid Rs 10 plus a batta of Rs 5.

(c) Batta to students.

Owing to the small number of students messing together and the difficulties of procuring food in out of the way places, the D.P.I. proposes a batta of Rs 20 to each Indian student and Rs 30 to each Anglo-Indian student.

(d) Tents.

For carrying out a project satisfactorily, tents are essential and it is proposed to supply suitable tents for students and lascars. These are to be obtained from the surplus stock available with the P.W.D.

Expenditure. The course is to be introduced from next year. About 30 students are expected to undergo the course. The additional recurring expenditure is calculated at about Rs 3,200 a year as shown below:-

Annual recurring expenditure for each student

Batta for a student	Rs 20	*
Pay of 5 lascars at Rs 10 each	50	
Batta for lascars at Rs 5 each	25	
Cartage of materials and tents	8	
Pegs, flags etc.	5	

Total	Rs 108	

Therefore for 30 students	3,240
Annual repairs to tents	200

Deduct batta at annas 6 per day at present given to students during survey camp.	240

3,440

3200

Note by the Law (Education) Department.

The scheme was placed before the Finance Com-

50 # 12
mittee in August 1923. The course was then intended for 25 students and the additional expenditure was calculated as Rs 2,700 recurring and Rs 2,640, non-recurring. The latter was for the purchase of tents over and above those which the P.W.D. was then in a position to spare. The Finance Committee recorded the opinion that it was unable to recommend the scheme for acceptance but did not ^{assign} any reason for it. Since then, it has been found possible to reduce the estimated cost, as the surplus tents available with the P.W.D. are considered sufficient. There is thus no need for incurring any non-recurring expenditure.

Training like this is necessary to fit the students for out-door work and to render the instruction in Engineering more practical than at present; without it the instruction in survey cannot be said to be adequate. The scheme is therefore recommended for acceptance. A provision of Rs 3,200 may be included in the Civil Budget Estimate for 1925-26.

1.12.24
Note by the Finance Dept.

The proposal may be placed before the Finance Committee as a Part II Scheme for 1925-26.

R.W.D.

7.12.24

Part II

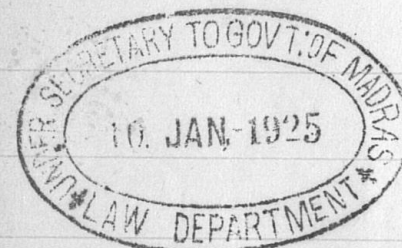
31
Finance Department.

Extract of the proceedings of the 10th meeting of the Finance Committee held on 6-1-1925.

The Committee placed the scheme in class^x III.

9-1-25.

KRC.



Law (Edn.)

A.S.

Law (Edn.) Secy.
The scheme for the inclusion of a Project Course in the College Curriculum for the Engineer Class is one recommended by the Conference of Engineering Education held at Simla in 1921. The proposal was placed before the Finance Committee last year but they were then unable to recommend it for acceptance. This year they have placed it in Class III, i.e., as one which may they consider it advisable to adopt when funds become available. The amount involved is Rs. 3,200. May be circulated to M2.
F.P./14-1-25.

E. A. V./14-1-1925.

C.R./14-1-25.

V.T.K./15-1.

A.P.P./15-1-25.

$\frac{83}{3-10-25}$
 $\frac{7}{3-4-25}$
 $\frac{R}{3-4-25}$

 ✓ V.TK
 4-4

The Director of
Public Instruction is
informed that no provision
has been made in the
Budget Estimate for
1925-26 for the charges
on account of the proposed
inclusion of a Project
course in the curri-
culum of the Engineer-
class in the College
of Engineering, Bombay.
He is requested to

54
being forward me
proposal in time
for consideration in
connection with Part II
schemes for 1926-27

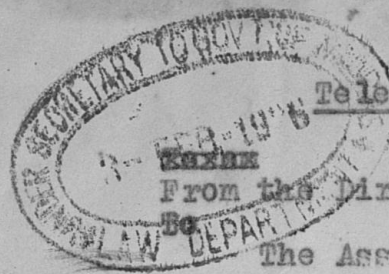
3/4-25 3/4-25 3/4

V.T.K.
4

DESPATCHED

6 APR 1925

To Messrs. P. I. with reply.
to Mr. M. M. R. O. C. 120 4-4
d/ 25. 1. 23



Telephonic Message.

From the Director of Public Instruction.

The Assistant Secretary,

Finance Department.

Law (Education) department.

Ref. G.O. 1998 Misc., Law (Education) dated 19th November 1925 sanctioning the institution of project course in the College of Engineering, Guindy.

With reference to para 5 of the above G.O. will you kindly furnish me with details for the supplemental grant under XVII Education - Transferred-voted by the Legislative Council at its meetings held on 7th November 1925. They do not seem to have been communicated to this office.

for Director of Public Instruction.

Reply

From The Assistant Secretary,
Law (Edn) Dept

To The D.P.I.

From t.m regarding the supplementary grant of Rs 8,260 voted by the Legislative Council on the 7th November 1925. The amount is intended for the tents on the scale referred to in the Director's no note no 86 of 24 of 29.9.24, viz,
for students - 10

2
 for servants and kitchen — 10 tents
 for lascars — 15 tents
 # necessary tents — 30

Please see the Director's no note N°

829 A/25 825. 9. 25

8
 8.2.26

(188)

9
 9/2

DESPATCHED

10 FEB 1926

When given for copying —
 When copied — 192
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 When signed —

READ AGAIN G.O. No. 192 DATED

CURRENT No.

ENCLOSURES TO G. No.

ORDER OF GOVERNMENT ...

A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITO.

PAPERS NOT FILED OF, BEING MEANT FOR DESPATCH
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