

Edm + P4(1945) Department.

Ms. SERIES.

G.O. No.

967 E 2u

Dated

28/6/45

(46)

67-68 CP.

G.O. on page 67-68 CP.

[Despatch Abstract.]

University - Annamalai - Extensions to Science Buildings - Grant
raised to Rs. 2.25 lakhs.

Back Papers.

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

Further Papers.

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



All communications should be addressed to the Registrar, Annamalai University, Annamalai Nagar, by designation and not by name.

ANNAMALAI UNIVERSITY

9th February, 1945.



From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

06028

Sir,

Ref: No.599280-3 dated 3-1-1945.

In accordance with the permission given and in view of the great urgency, the Syndicate has, at its meeting of the 3rd February, 1945, given the work of construction of the Sir Arthur Hope Laboratories and a small Workshop by the side, to Mr. Sundaresam Pillai, and he has been permitted to start work.

2 The revised estimates for the two buildings are Rs.2.27 lakhs and Rs.12,000/-. This revision is according to the revised rates notified by the Superintending Engineer of this Circle, wherein the revision of rates for individual items ranges from 75 to 80 %. The original estimate was for 1.38 lakhs. The total estimated cost now is 2.39 lakhs. This will be an increase of less than 75% on the original estimate.

3 I request the favour of sanction of the amount and also the favour of issue of priority certificates in respect of the list of building materials I enclose.

4 M.S.Roads, I am informed, may be available at the Steel Rolling Mills, Negapatam, or at Tata's Branch at Madras. For the other materials no information is here available as to the exact place from which the University can get its needs. I have therefore to request the favour of the issue of early orders sanctioning the supply of the quantities indicated against each one of these buildings at as early a date as possible and the indication of the sources wherefrom the supply may be expected.

STP/HCS

The main file on this subject is linked with the file of C.No. 502 which is in circum to A2 A1 + H & C. This may be the return of that file. L.O. 23/2/45

W. S. S. S. S.
Registrar.

16.2.45

17.2.45

6

ANNAMALAI UNIVERSITY

Encl. H. Dept.

Letter/Ref

To The Registrar, Annamalai Univ.,
Annamalainagar.

Sir,
Extensions to Science buildings -
Construction - your letter No. 7156
d 9.2.45

I am directed to request
you to forward to Govt the
revised estimates and plans,
if any, for the work indicated
above.

Yours,
21.2.45

11/0m
21/2/45

Annamalai University.

List of materials for priority Certificates.

I. Sir Arthur Hope Science Laboratories -- Two Wings.

A. Cement.	...	99 tons.
B. R.S.Joists.	22 Nos. 28'x18" x7" =	17.88 tons.
	at 65 lbs per R.ft.	
	24 Nos. 28'x18" x6" =	16.55 tons.
	at 55 lbs. per R.ft.	
Total.		34.38 tons.

34.38 tons.

C. M.S.Rods. 3/4" diam. and 3/8" diam.
(for Reinforced concrete slabs.) 5 1/2 tons and 1/2 ton respectively

D. Countrywood Joists.	Nos.	Length.	Breadth.	Depth.
	60	9'3"	0'2 1/2"	0'-7"
	30	9'6"	"	"
	30	9'9"	"	"
	15	10'0"	"	"
	30	9'9"	"	"
	292	10'0"	0'2 1/2"	0'-8"
	210	10'3"	"	"
	150	10'4"	"	"
	232	10'6"	"	"
	15	10'7 1/2"	"	"
	90	10'9"	"	"
	180	11'0"	"	"
	90	11'3"	"	"
	96	11'6"	"	"
	12	12'0"	"	"
	28	11'6"	0'3"	0'9"
	15	14'0"	"	"
	15	14'6"	"	"
	24	12'6"	"	"

Total. 2,250 Cu.ft. or 50 tons.

E. Teakwood For Doors.

4'0" x 10'0"	41	5.60 C.ft.	229.60 C.ft.
5'0" x 10'0"	24	7.00 C.ft.	168.00 C.ft.
2'6" x 6'6"	4	1.75 C.ft.	7.00 C.ft.

Teakwood for Windows.

7'1 1/2" x 6'6 1/2"	5	6.00 C.ft.	30.00 C.ft.
4'0" x 7'0"	93	4.50 C.ft.	418.50 C.ft.
4'0" x 4'0"	8	2.60 C.ft.	20.80 C.ft.
3'0" x 4'0"	8	2.50 C.ft.	20.00 C.ft.
6'0" x 7'0"	10	5.25 C.ft.	52.50 C.ft.

Total. 946.40 C.ft.

or: 21 Tons.

25% to be added to the quantities in items D & E if the supply of timber is to be made in logs.

II. New Carpentry Workshop attached to the Science Block.

1. Cement. ... 4.5 tons.
2. Girders. (R.S. Joists)
5 x 24'0" x 18" x 6"
at 55 lbs. 2.9 tons.
3. 3/4" M.S. Rods for windows
in 5 lengths. 8 Cwts.
4. X.P.M. 1 1/2" x 3/4" x 1/8" 72 Sq.ft.
5. Countrywood joists:

52 x 11'0" x 0'3" x 0'9" = 107
26 x 11'3" x 0'3" x 0'9" = 48
5 x 11'0" x 0'3" x 0'6" = 7

Door Frames:

3 x 4'6" x 9'0" = 35

Window Frames:

12 x 4'0" x 6'6"

197 or 200 Cu.ft.

or 4 Tons.

6. Teakwood - Shutters for Doors
and Windows.

1 Ton.

25% to be added to the quantities
in items 5 & 6 if the wood is
to be supplied in logs.

W. J. ...

10

Issue to day
1/10/45
23/2/45

D/pt
23
23/2

p5cf

M/63-65

p7cf

Education and P.H. Department.

LETTER/Ref. No. S9928C-5 dated 23.2.45

To

The Registrar,
Annamalai University,
ANNAMALAINAGAR.

Sir,

Construction of Hope Laboratories.

Ref:- Your letter No.7156, dated 9-2-1945.

I am directed to request that the revised estimates and also the revised plan, if the original has undergone revision, may be forwarded to Government as early as possible. If, as it appears, the original scheme had not provided for the workshop, that item may be excluded from the estimate.

2. Iron and steel: It is seen that R.S. Joists ⁴ to ^{a quantity} the tune of 34.38 tons are required for the construction of the laboratories. Experience shows that it is extremely difficult to ^{get} obtain licence for

obtaining such heavy structurals. The revised estimate ^{may} should, therefore, provide for the use of R.C.C. beams.

Cement: The Government of India, Supply Dept., have to be addressed in the matter of releasing the quantity of cement required. It will be necessary to tell them the approximate time when supply is required and, if the whole quantity is not wanted at once, to indicate how supply should be regulated at the ^{appropriate} various stages of construction and in what quantities. I am to request that these particulars may also be furnished.

Y.O.S.,

22.2.45

I am to request that
an early reply may
be sent to the
reference



All communications should be addressed to the Registrar, Annamalai University, Annamalainagar, by designation and not by name.

ANNAMALAI UNIVERSITY

No. 7550

2nd March 1935.

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

Sir,

Sub: Construction of Hope Laboratories.

Ref: Your letter No.59928.C-5 dated 23rd February 1945.

I submit herewith the revised estimate for Rs.2,25,000 and also revised plans for Sirthur Hope Science Laboratories.

In The Original Scheme, a workshop was not provided; therefore - that item has been excluded from the estimate.

Iron and Steel: The estimate is being revised so that R.C.Beams may be used in place of heavy structural iron. The actual quantity of cement required by the substitution of R.C.Beams for girders is being - closely estimated. Meantime the Government of India Supplies Department may be addressed to permit the supply of 20 Tons by the 1st of -- April, 20 Tons by the 1st of May and 40 Tons by the 1st of June and 20 Tons by the 1st of July. As soon as the question of substitution is fully examined I shall write again.

I have also to request the favour of recommendation of the -- Government of India for the supply of Surveying Instruments and equipments specially needed for the Engineering Laboratories.

I shall be submitting the list in course of the week.

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

W. S. W. S.
Registrar.

I.

Letter/Ref. No. 59928/44-C-8 dated 8.3.45

To

The Secretary to the G. of I.,
Deptt. of Supply, NEW DELHI.

Sir,

Cement - Supply - Annamalai University laboratories.

The Annamalai University has had in contemplation a scheme for the extension of its Science laboratories. The work stood postponed until now owing to the shortage of building materials. The extensions have now become a matter of ~~very~~ ^{as they are required} ~~urgency~~ ^{necessity} to serve the needs of an Engineering College which the University is providing, with effect from next June-July, with the help of substantial Government grants. The provision of the Engineering College, in turn, is a pressing necessity, the object being to produce the engineering personnel required in connection with the present war and the demand ^{to meet} which the various post-war development schemes ~~will~~ ^{create} ~~shortly~~ ^{are well} under way.

2. The work, according to present estimates will involve the use of about 100 tons of cement in instalments, as indicated below:-

20 tons by 1-4-1945
20 tons by 1-5-1945
40 tons by 1-6-1945
20 tons by 1-7-1945

Owing to the difficulty of obtaining heavy structurals, the Government have suggested to the University the substitution of R.C.C. beams for R.S. ~~girders~~ ^{joists} which are provided in the present estimate. This substitution will mean further use of cement, the exact quantity of which is being estimated. ^{by the university} In the meantime, I am to request that the Government of India will be so good

Express

Dpt
8/3

(M)

Rs. 700 Edn
12.5.45

Vide para 2 of letter
to G.O. in p 19 of
in G.O. 1892
(R.S.) 20.12.44

p 13 cf

p 12 cf

16

-2-

Instructions

as to issue the necessary steps for releasing the quantities of the cement mentioned above. A further communication will be addressed to you as soon as the further quantity of cement required has been estimated.

Your obedient servant,

2.3.45

W. J. J. -

Copy to the Rep.
Annamalai
Univ.

II.

ENDORSEMENT No. 59928/44-C-9 dated 8.3.45

Wood - Annamalai University laboratories.

Very urgent

Ref:- Letter to the G. of I., Dept. of Supply, No. 59928/44-C-8, dated 8-3-45 pp. 1-2 above.

A copy of the letter cited above is forwarded to the Chief Conservator of Forests for information. The work in question involves the use of 21 tons of teakwood and 50 tons of country wood, with a further possible addition of 25 per cent. under each, according to the details given in the annexure. The Chief Conservator is requested to report at a very early date what arrangements can be made for the supply of the wood.

2.3.45

W. J. J. -

Annexure.

(H.E.)

To the C.C.F. (with exact plan p7cf)

III.

MEMORANDUM No. 59928/44-C-10 dated 8.3.45

Construction of Annamalai University laboratories.

Very urgent

The Government have decided that the accompanying plans and estimates for the work mentioned above, received from the Annamalai University, should be scrutinized by the P.W.D., as a special case, and urgently too. The

at (X)

-3-

17

The C.E. (General, Bldgs. & Defence) is requested to arrange for their scrutiny and return to Government with his remarks at an early date.

2.3.45

W. J. J. -

To the C.E. (G.B.&D.)
-(with estimates and plans to be ret'd.)

min D/29
8/3

Government of Madras

EDUCATION AND PUBLIC HEALTH DEPARTMENT
(Public Health)

G.O. No. 989, 15th March 1939

Stores—Medical—Disinfectants manufactured in India—Purchase from Indian companies—Recommended.

READ—the following papers :—

From the Manager, Techno-Chemical Industries, Limited, Madras, dated 16th November 1938.

From the Manager, Spirit Warehouse, Madras, dated 3rd December 1938.

From the Surgeon-General, dated 31st January 1939, Ref. No. 27515-3-Accts./38.

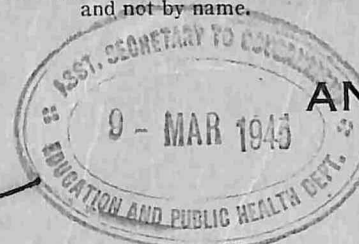
From the Director of Public Health, dated 25th February 1939, No. L. Dis. 39481-3/1.

Order—No. 989, P.H., dated 15th March 1939.

Local bodies are hereby permitted to purchase disinfectants made in India provided they give high carbolic co-efficients, form homogeneous emulsions and conform in every way to accepted standards and compare favourably with the imported products in every matter of cost. They are also informed that when placing indents with Indian companies for the supply of disinfectants, they should insist on the production of test certificates from a recognized Public Health Laboratory not only in respect of a sample submitted with the tender, but also in respect of random samples from any subsequent consignment.



All communications should be addressed to the Registrar, Annamalai University, Annamalainagar, by designation and not by name.



ANNAMALAI UNIVERSITY

No. 7656

From

09712

7th March 1945.

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

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

Sir,

Sub: Construction of Hope Laboratories.

In continuation of my letter No. 7550 dated the 2nd March 1945, I am sending herewith the Revised Estimate worked out by the Engineer on the basis of substitution of R.C. Beams for heavy structural as also a letter from the Engineer indicating the quantities of cement, Iron M.S. Rods and steel wire required in this connection. I request that you will be so good as to arrange with the Government of India for supply of the materials as early as possible.

I also enclose herewith a list of Survey Instruments needed urgently and request the favour of your addressing the appropriate sources to ensure the supply in time for the courses to start in July next. For the equipment in the machine shop, foundry etc, a list has already been sent to the Chief Controller of Purchase and a copy is being submitted for favour of your recommendations.

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

REGISTRAR.

List of Materials for Hope Laboratories.

<u>Cement:</u>	Quantity already furnished.	..	100 Tons.
	Required for R.C.C. Beams and floors.	..	160 Tons
	Total..		260 Tons

Time by which the supply will be required:--

April 1945.	..	20 Tons.
May 1945.	..	20 Tons.
June 1945.	..	20 Tons.
July 1945.	..	40 Tons.
August 1945.	..	60 Tons.
September 1945.	..	60 Tons.
December 1945.	..	40 Tons.
Total.		260 Tons.

(Two Hundred and Sixty Tons).

Iron:--

M.S. Rods 1 " Dr.	..	8 Tons
3/4"	..	5.5 Tons 6 Tons.
3/4"	..	0.5 Tons
5/8"	..	1.5 Tons
1/2"	..	28 Tons
5/16"	..	2.30 Tons
1/4"	..	1-75 Tons.

Steel Wire 16 or 18 BWG. . . 7 Cwts.

Timber will not be required as R.C. Flooring and roofing are prepared to be adopted.

List of Survey Instruments Required:

1. Chains with 10 arrows each.	..	50 Nos.
2. Prismatic Compasses with stand.	..	28 Nos.
3. Levelling Stones.	..	15 Nos.
4. Levelling Instruments.	..	15 Nos.

I.
Letter/Ref.No.59928/44-C-11, dated 13.3.45

To
The Secretary to the G. of I.,
Dept. of Supply, New Delhi.

Sir,

Cement - Supply - Annamalai University Laboratories.

In continuation of my letter No.59928/44-C-8, dated 8.3.1945, I am directed to say that the further quantity of cement required by the substitution ^{of} ~~for~~ R.C.C. beams for R.S. joists has been estimated by the University to be 160 tons. The ^{including the 100 tons already applied for} total quantity of cement required for the laboratories will thus be 260 tons. This quantity is required by the University in stages as indicated below:-

In April 1945	..	20 Tons.
" May "	..	20 "
" June "	..	20 "
" July "	..	40 "
" August "	..	60 "
" September "	..	60 "
" December "	..	40 "
		<u>260</u>

I am to request that the G. Of I., will be so good as to issue the necessary instructions for releasing the quantities of cement mentioned above.

aa
12.3.45

13.3.45 Y.O.S.

II.

MEMORANDUM No. 59928C-12 Dated 13.3.45

Construction of Annamalai University laboratories.

The accompanying revised estimate for the work mentioned above received from the Annamalai University, is forwarded to the C.E. (Genl. Bldgs.&D.) in continuation of Memo.No.

59928/44-C-10, dated 8.3.1945.

To the C.E.

(G.P.&D.)

with estimate

aa
12.3.45

13.3.45

P.T.O

24

- 2 -

III.

Memo. No. 59928C-13 Dated. 13.3.45

Subject:- Wood - Annamalai University laboratories.

The C.C.F. is informed that ^{Gau.} Endorsement No. 59928/44-C-9 dated 8.3.1945, on the subject mentioned above may be treated as cancelled.

Cwa
12.3.45

13.3.45

13.3.45

To the C.C.F.
Madras.

14/3

IV.

Letter/Ref. No. 59928C-14 dated 13.3.45.

To

The Registrar, Annamalai University, Annamalai Nagar.
Sub:- Hope Laboratories - Construction.
Reference:- Your letter No. 7656 dated 7.3.1945.

14/3

I am directed to inform you that the application for licence for Iron M.S. rods and Steel wire required for the work mentioned above should be made by the University, in the prescribed form, to the Civil Steel Licensing Authority, ^{100, Clive Street,} Calcutta. The form of application ~~required~~ can be obtained from the Controller of Supplies, Madras.

Cwa
12.3.45

13.3.45

Y.O.S.

13.3.45

17.3.45

Memo No. 59928C-16
17.3.45

Annamalai Univ. - Engineer
College of Engineering - Survey instruments
Supply

14/3

The Govt.
have provided to
substantial financial
assistance
for the Eng. college

The Annamalai Univ. has asked for the supply of the Survey instruments mentioned in the annexure which are required for the College of Engineering to be opened by the Univ. from July next. The Univ. has a class for the training of road construction overseers and m.i. overseers is also proposed to be attached to the college. ~~we have~~ ^{and desire} ~~consider~~ ^{that every facility} possible should be given to the Univ.

Annexure
(H.E. B from p 21 c.f.)

Is
The Board of Rev
D (Land Rev +
up 12874



All communications should be addressed to the Registrar, Annamalai University, Annamalainagar, by designation and not by name.

ANNAMALAI UNIVERSITY

No. 7785

From

THE REGISTRAR,

ANNAMALAI UNIVERSITY,

ANNAMALAINAGAR.

To

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

13th. March, 1945

10699



Sir,

Sub: Cement - Supply - Annamalai University Laboratories.

I am grateful to Government for the recommendations to the Department of Supply of the Government of India re: 100 tons of cement. As soon as the release order is received I shall arrange for the purchase of the quantities noted in para 2 of the letter. I take leave to mention that the further quantity of cement required has been intimated in my letter No- 7656 dated 7-3-45. The Supply may be instructed to be made according to the schedule given below.

Time by which the supply will be required:-

1st. April, 1945.	..	25 tons
-do- May , do	..	20 ,,
-do- June, do	..	20 ,,
-do- July, do	..	40 ,,
-do- August do	..	60 ,,
-do- September	..	60 ,,
-do- December	..	40 ,,
Total	..	260 Tons.

Iron:-

M.S. Rods.	1" Dr.	..	8 Tons
3/4"	previously furnished	5.5	..
3/4"	Now required for windows	0.5	..
5/8"		1.5	..
1/2"		28	..
5/16"		2.30	..
1/4"		1.75	..

P.T.O.

Steel Wire 16 or 18 BWG.

7 Cwts.

ANNAMALAI UNIVERSITY

I have the Regi honour to be,
Sir,

Your most obedient servant,

U Viswanathan
Registrar.



COPY of Express Letter No.59928-c-8 dt.8.3.45 from the Secretary, Education & Public Health Department, Madras, to the Secretary, Department of Supply, DGS., New Delhi.

Sub:- Cement - Supply - Annamalai University Laboratories.

The Annamalai University has had in contemplation a scheme for the extension of its science laboratories. The work stood postponed until now owing to the shortage of building materials. The extensions have now become a matter of urgency as they are required to serve the needs of an Engineering College which the University is providing, with effect from next June-July, with the help of substantial Government grants. The provision of the Engineering College is a pressing necessity, the object being to produce the engineering personnel required in connexion with the present war and to meet the demands of the various post-war development schemes. The preliminary arrangements for construction of buildings are well under way.

2. The work, according to present estimates, will involve the use of about 100 tons of cement in instalments as indicated below

11368

20 tons by the 1st April 45
20 " 1st May "
40 " 1st June "
20 " 1st July "

Owing to the difficulty of obtaining heavy structurals, the Government have suggested to the University the substitution of R.C.C. beams for R.S. joists which are provided in the present estimate. This substitution will mean further use of cement, the exact quantity of which is being estimated by the University. In the meantime, I am to request that the Govt. of India will be so good as to issue the necessary instructions for releasing the quantities of cement mentioned above. A further communication will be addressed to you as soon as the further quantity of cement required has been estimated.

Sd/.

Copy to the Registrar, Annamalai University, A. Nagar.

D.G.S. may see for disposal.

Sd/ A.R. KAPUR
13.3.45

Branch Sectt(S).
SD. no. No.1324/w.II dt.14.3.45

I think the cement can be made available.
H.C.A. will kindly take the necessary action.

Sd/ J.A. Rahim.

The above demand may please be met.

R.H.C.A., 199 Mount Road,
Madras.

DGS. no. No. HCA/834 dt.16.3.45

Copy to the Secretary to the Govt. of Madras, Education & Public Health Department, Fort St. George, Madras.

m3c



All communications should be addressed to the Registrar, Annamalalai University, Annamalainagar by designation and not by name.

ANNAMALAI UNIVERSITY

No. 7910
From

11313

20th March

1945.

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

Sir,

Subjt: Supply of structurals

Ref: Letter from the Civil Steel Licensing
Authority No. 8(22)-L.(Mad)/10094
dated 6th March 1945

As instructed by the Civil Licensing Authority in
the License No. CD 05694 for heavy and light structurals
for both the Engineering buildings, ~~and~~ the Sir Arthur
Hope Laboratories, ^{and the workshop} I submit the details for the latter
and request the favour of your ordering the supply on the
date mentioned.

Similar details for the Engineering and Technolo-
gical buildings will be submitted very soon.

I have the honour to be,
Sir,

Your most obedient servant,

W. J. S. S. S.
Registrar.

33

15

Heavy and Light Structural for The Sir Arthur Hope Laboratories

Heavy Structural

R.S. Beams:

18" x 7" x 28'	at 65 lbs.	22 Nos.	17.88 tons
18" x 6" x 28'	at 55 lbs.	24 Nos.	16.55 tons

Total	34.43 tons
-------	------------

Light Structural

M.S. Rods Round	3/4" dia.		7.00 tons
Do.	1/4" dia.		0.5 tons

	7.5 tons
--	----------

Steel Wire 16 or 18 BWG for tying reinforcement	10 lbs.
---	---------

R.S. Joist for Work Shop

R.S. Joists 18" x 6"	5 Nos.	24' long.
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W. J. W. W.

35 Edn. & P.H.Dept.(C).

Letter No. 59928C-18 Dated 26.3.45.
Ref.

To

The Registrar,
Annamalai University, Annamalai Nagar.

Sir,

Sub:- Sir Arthur Hope Laboratories - Construc-
tion -.

Ref:- Your letters No.7785 dated 13.3.45 and
No.7910 dated 20.3.1945.

~~I am directed to say that~~ The Honorary Cement
Adviser to the Government of India, Madras,

has intimated
that the demand for the supply of 100 tons of cement
made in ^{my} Government's letter No.59928/44-C-8, dated
8.3.1945, will be met--vide. extract enclosed. You
may get into touch with the Honorary Cement Adviser
and arrange for the purchase of the cement.

2. As regards the supply of heavy and light
structurals asked for in your letter of 20.3.1945, I
am to say that you should address the Regional Con-
troller of Iron and Steel, Madras, in the matter fur-
nishing details regarding the R.S. Beams etc. required
In this connection I am to invite attention to your
letter No.7656 dated 7.3.1945 in which a Revised
Estimate for the Laboratories was sent providing for

P.T.O.

ESTD. 1938.

36
SANJIVI MEDICAL PHARMACY.
CHEMISTS & DRUGGISTS
Proprietor:—Surandranath Reddy.

TELEGRAMS:
SANJIVI PHARMACY,
CUDDAPAH.

CUDDAPAH.

Date, 24-7-1939.

-2-

Second Remittance I am sending to you
honours Office.

Thanking you.

I remain,
yours most obediently
S. Surandranath
Reddy

32 17
-2-
the substitution of R.C.C. beams in the place of heavy structural. The additional quantity of cement required for this purpose was reported to be 160 tons and the G. of I., Supply Department, have been addressed for the additional quantity of cement also. ^(and actually obtaining them) If the University now proposes to use R.S. beams, the additional quantity of 160 tons ^{of cement} may not be required. I am to request you to report ^{what reduction can be made in the} the exact ~~max~~ quantity of cement which will be ^{already estimated} required if R.S. beams are used.

22-3-45/10m
28/5/45-

Y.O.S.
24-3-45 M
2nd May.

(a) against items 28 to 30 shall be reduced—

(i) by three years in the case of a holder of the diploma of Technology; Madras, prior to 1st April 1937;

(ii) by five years in the case of a holder of the diploma of L.M.E. issued by the Government School Examination Board, Madras, after 1st April 1937; and

(iii) by the period as may be determined by the Chief Engineer for Electricity in accordance with the rules and standards of the course of training in the case of a holder of a diploma or certificate of any other institution;

(d) against item 31 shall be reduced by two years in the case of a candidate who possesses—

(i) approved technical education up to two years in the form of a certificate or diploma or possession of a degree or title conferred by a university or other institution,

(e) against items 32 and 33 shall be reduced by two years in the case of a candidate who possesses—

(i) approved technical education up to four years in the form of a certificate or diploma or possession of a degree or title conferred by a university or other institution,

(f) against items 33 to 35 and 36 shall be reduced—

(i) by three years in the case of a candidate who has successfully undergone a course of training for the diploma in electrical engineering at the Government Technical Institute, Bombay, or

(2) the School of Engineering, Bangalore, or

(if) by one year in the case of a candidate who has completed a course of training in any of the correspondence schools recognized for the purpose by the Chief Engineer for Electricity, Madras:

(iii) by three years in the case of a candidate who holds the diploma of L.M.E. issued by the Technological Examination Board, Madras, after 1st April 1937; and

(c) against items 37 and 37A shall be reduced by one year in the case of a candidate who has obtained practical experience after the completion of the diploma course for not less than—

(i) fifteen months of which the last twelve months have been spent in a Government Meteorology Test station and the last three months in an electrical standards laboratory.

[illegible]

The Chief Engineer, Public Works Department (General, Buildings and Defence) is informed that the omission to specify the punishment proposed to be imposed on the petitioner in the petition asking him to show cause why he should not be punished constitutes a defect in procedure which should be rectified. The Chief Engineer is accordingly requested

29 MAR 1945

Instruments - Survey Instruments - Supply to the College of Engineering, Annamalai University - Report Submitted.

Station: Madras. Ref. N. No. 928/45-1

Dated 28-3-42.

From

H. Galletti Esq, I.C.S.,
Joint Secretary, Board of Revenue.

A. F. W. Dixon Esq., C.I.E., I.C.S.,
Commr. of Land Revenue & Agrn.

Read the following:

Memorandum from Government (Edn. & P.H. Department) No. 59923-C-16
dated 17-3-48.

Reference.

With reference to the Government Memo cited above, the Board submits that the supply of chains and arrows may be arranged for through the Contractor for Survey Instruments to Central Survey Office, Madras. The supply of the other items may be arranged through the Mathematical Instruments Office, Calcutta.

for Joint Secretary.

The Secretary to Government,
Mdn. & P.H.

V. D. J. 28/3.



All communications should be addressed to the Registrar, Annamalai University, Annamalai Nagar, by designation and not by name.

ANNAMALAI UNIVERSITY

No. 40

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

1st April 1945.



13005

Sir,

Ref: Your letter No. 59928-C-18-Edn. dated 26th March 1945.

I submit the revised estimate of the quantity of cement required - in view of the license issued to the University to obtain R.S.Beams. The quantity of cement required as worked out by the Engineer will be -- 70 Tons as against 160 Tons if the University actually obtains R.S.Beams. As suggested I am getting into touch with the Hony.Cement Adviser to the Government of (Madras) for the purchase of 100 tons and as required I have sent an advance of Rs.6800/-. I am advised by the Engineer that because of the near prospect of getting R.S.Beams and the possibility of their - arriving soon the quantity of cement may be reduced ~~km~~ by 90 Tons.

As regards the supply of heavy and light structurals I have to -- request the issue of early orders as the small workshops attached to the Sir Arthur Hope Laboratories has already reached the girder level and - the work may get delayed for want of the 5 girders detailed below. I am also arranging with the Regional Controller of Iron and Steel for the further urgent part and that not so urgent part of the Iron and Steel requirements.

I have the honour to be,
S i r,
Your most obedient servant,

S. D. W. Dayal
Deputy Registrar.

Size of girders:-

5 Nos. 18" x 6" each 24 feet long.

Further the facts contained in the papers in the missing these islands are available and have been filed in Court. records relating to the lease of 1928 in respect of possession, filed by the Zamindar of Ettayapuram. The the suit for declaration of title or in the alternative in the period of dispute will not be of much help in the produce was leased out in 1927. Proof of enjoyment Ettayapuram which was in 1928. The dispute arose when quent to the issue of notice of suit by the Zamindar of 1930 to 1932. These papers relate to a period subse- minor forest produce in these islands in question for sale-list and the agreement relating to the lease of valuable paper. It contained the notice of lease, who dealt with the paper) the file did not contain any that to the best of his knowledge and recollection (one the other hand the appellant may be permitted to submit valuable records were and wherein their value lay. On the Collector has given any indication of what those it may be noticed however neither the Sub-Collector

ANNAMALAI UNIVERSITY



ANNAMALAI UNIVERSITY

No. 110

1331

4th April 1945

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

Sir,

I am directed by the Syndicate to convey their thanks to Government for the valuable assistance enabling the University to secure the building materials like cement, M.S. Rods and steel wires needed for the construction of Sir Arthur Hope Science Laboratories.

S. S. W. S. S. S.
Registrar.

Three
~~THE~~ DRAFTS.

Edn. & P.H.Dept.(C.)

Letter.
Ref. No. 59928 C-19 dated the 9th April 1945.

Copy to the Board of Revenue, with reference to its Ref.No.N.928/45-1 d/ 28-3-45. To The Registrar, Annamalai University, Annamalai Nagar. (with encl.)

Sub: Annamalai University - College of Engineering - Surveying instruments - Supply.

Ref: Your letter No.7656 dated 7-3-45.

I am directed to forward a copy of letter from

the Board of Revenue, Ref.No.N.928/45-1 dated 28-3-45. You may arrange for the purchase of the Survey instruments in consultation with the Board of Revenue.

2. ~~as regards~~ the supply of heavy structurals required for the workshop attached to the Hope Laboratories, I am to ~~say~~ that you should address the Regional Controller of Iron and Steels, Madras in the matter as already stated in Mr.Subramanian's

it is not quite clear what ~~more~~ ~~to~~ what

26, as is ~~sup~~ ~~to~~ your letter No. 40, d/ 1.4.45. ~~has been~~ ~~done~~. for heavy structurals and you are already in touch with

~~Letter No. 59928-c-18~~ ⁶² further arrangements ²⁻ to unit: desires ^{to} ~~make~~
Letter No. 59928-c-18 dated 26-3-45. ^{If any order of cost are} necessary the matter may be explained clearly.
Your obedient servant, ^{p 35 cf}

^{Cia} ^{7.4.45} ^{10/4/45}
II. ^{S. 4. 45}

Letter No. 59928-c-20 dated the 9 April 1945.
Ref.

To The Secretary to the Government of India, ^{10.4.45}
Department of Supply,
New Delhi.

Sir,
Sub: Cement - Supply - Annamalai University
Laboratories.

In continuation of Mr. Subramaniam's letter No. 59928-
C-11 dated 13-3-45, I am directed to say that the Annamalai
University has since been able to secure a licence for

~~the use of~~ R.S. beams. ^{Dr} The University states that there is
a near prospect of getting the beams, and that the ^{total} quantity

of cement may be reduced by 90 tons. The additional quantity
of cement required will therefore be 70 tons and not 160 tons

Copy to the Registrar,
Annamalai University,
Annamalainagar.

^{p 23 cf}

^{p 41 cf}

-3-

^{p 23 cf} as reported previously.

^{Cia} ^{7.4.45} ^{10/4/45}

Your obedient servant,
^{S. 4. 45}

^{PTD}

^{22/47}

315

VB 47
Edn and P. H. Dept
C

Memo 59928C-24
9.4.45

Construction of Annamalai University Laboratories.

14-16-17/45

Ref Govt Memo No. 59928C-108 8.3.45

The B. E. C. General, Bldgs and Defense) is requested
to send his reply to the Govt Memo cited above at
a very early date.

✓
10.4.45
To the B. E. C. General (Bldgs & Defense)
9/3/45

3
9.4.45

48

7/4/45



All communication should be addressed to the Registrar, Annamalai University, Annamalai Nagar, by designation and not by name.

ANNAMALAI UNIVERSITY

No. 86

From THE REGISTRAR,

ANNAMALAI UNIVERSITY,

ANNAMALAINAGAR.

To

The Secretary to Government;

Department of Education and Public Health,
Fort St. George, Madras.

Sir,

Sub: Construction of Workshop.

Ref: This Office letter No. 7550 d. 2nd March, 1945.

In continuation of this office letter referred to above, I request, under direction of the Syndicate, that Government may kindly give their most sympathetic consideration to the Workshop which has been undertaken as a part of the main scheme for the construction of the Hope Laboratories and to sanction a grant of Rs. 12,500/- towards the cost of its construction.

Provision for a workshop was not made in the original scheme. However, experts in the Engineering line who have kindly given their valuable advice, considered that a workshop is not only essential, but also urgently required to serve the needs of the Engineering and Technological students even during the first year, while it would also serve the long-felt need of the students of the Faculty of Science.

In view of the great necessity and urgency, the construction has been started in anticipation of Government sanction of the cost, on approved plans and estimates and the building has come up to girder level. Girders are expected shortly to arrive and as soon as they are available, the work will be speeded up.

I enclose a copy of the approved plans and estimates for information and ready reference. Under the circumstances mentioned above, I request that Government will be pleased to give their most sympathetic consideration and pass early orders sanctioning this grant as a supplement to their generous aid for the Sir Arthur Hope Laboratories.

I have the honour to be,

Sir,
Your most obedient servant,

S. D. W. Jayatilaka
Deputy Registrar.





All communications should be addressed to the Registrar, Annamalai University, Annamalainagar, by designation and not by name.

ANNAMALAI UNIVERSITY

15783

17th April, 1935.

No. 471

From

THE REGISTRAR,

ANNAMALAI UNIVERSITY,

ANNAMALAINAGAR.

To

The Secretary to Government,

Education and Public Health Department,

Fort St. George, Madras.

Sir,

As permitted by Government in their letter No.59928-C-3 dated 3rd January, 1945, the construction of Sir Arthur Hope Laboratories was begun early in January and has proceeded apace. The University is grateful to Government regarding the supply of Cement, Iron and Steel. In the matter of steel and iron, the Government Civil Steel Licensing Authority, Calcutta, has issued a License No.ID.05694 dated 6-3-1945 for 200 tons of heavy structurals and 5 tons light structurals for the Sir Arthur Hope Laboratories and the new Engineering buildings commenced already and to be completed by July 1946. A proposal to substitute R.C.beams for steel girders has been dropped and the quantity of cement has therefore been reduced from 260 to 170 tons. On the basis of the license for steel being kept on, the estimates for the Sir Arthur Hope Laboratories have been revised to Rs.2,30,000 and the Syndicate at its meeting d.27-3-1945 has sanctioned the figure and authorised me to apply to Government for the sanction of the grant of Rs.2,30,000/- In their letter No.59928-C-5 dated 23-2-1945, Government advised that the small workshop needed for the Sir Arthur Hope Laboratories but not provided in the original arrangements of 1941 should not be included in the estimate for the Laboratories. Accordingly the cost of the workshop has been excluded from this estimate for Rs.2,30,000/-. But the Syndicate has ordered a request being made for a grant of Rs.12,500/-, the actual estimated cost of the Workshop. As this small building is quite necessary and has been an omission in the previous estimate, it is requested that sanction be accorded for this grant also. This building has gone up to girder level and awaits the supply of



ANNAMALAI UNIVERSITY

Edmt P.H. Dept

Edmt No. 59928 C/23 Em. of 22.4.45

Forwarded to the Chief Engineer, (Civil, Buildings and Defence) in continuation of Govt memo. No. 59928/44 C-10 d 8.3.45. He is requested to arrange for the scrutiny of the plans and estimates and their return to Govt with his remarks at an early date.

E. A. Sankaranarayanan
Asst Secretary to Govt.
22.4.45

The Chief Engineer
(Civil, Buildings and Defence) with
Plans & Estimates

Register (05)

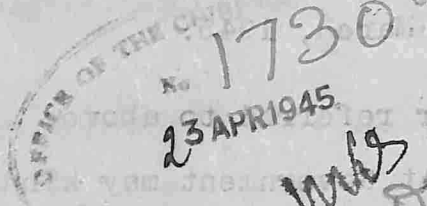
Immediate

23/4/45

Mr Rameshwar

24/4/45

26/4/45



N. Sivanathan
Registrar.

20508 (a) A site plan showing the existing buildings and the proposed extensions.
(b) Trial pit sections giving soil and sub soil particulars.

Technical Note of the Chief Engineer, P.W.D.
(Genl. Bldgs. & Defence) on the scrutiny of the plans
and estimates for the construction of annex to the
existing science block of the Annamalai University,
Annamalai Nagar.

I. The plans and estimates for the constructing
the extensions with ~~Madras~~ Madras Terrace floor and roof
supported on R.S.girders received in Government Memo.
No. 59928/44 C-10 dated 8-3-45 and the estimate for the
same work but with R.C.floor and roof slabs supported
on R.C. Tee beams received in Government Memo. No.
59928 C-12 d/13-3-45 have been examined and the following
are the remarks.

II. The Consulting Engineer in his letter dated
6-3-45 to the Registrar of Annamalai University has not
definitely stated whether the design with Madras Terrace
or the one with R.C. roof will be adopted. Nothing is
definite in this regard in the later Government Memo.
also. So both the estimates have been scrutinized.

III. Estimate for construction with Madras Terrace floor and roofing:-

(i) The estimate does not contain any detailed
report giving full details in regard to the necessity for
the extensions proposed on the East and West side of the
existing science block. The plans have not been counter-
signed by any of the University authorities. It is
presumed that the accommodation provided are according to
the requirements for which the extensions are now
proposed.

(2) (a) A general specification for the construction
of the extensions has not been furnished along with the
estimate. From the plans and estimates it is observed
that the extension are in two storeys with walls 1'-10 $\frac{1}{2}$ "
thick in G.F. and 1'-6" thick in F.F. constructed of
second class brick in lime mortar 1:2. These are
probably proposed to match with the thickness of walls
in the existing building. For such a thickness pilasters
at girder supports are not necessary provided proper bed
blocks are provided. The pilasters may however be allowed
to stand, for purposes of appearance and to match with
the existing science block.

(b) To avoid cracking due to unequal settlement
a through vertical joint should be allowed at the junction
of old and new work. Joists at this place should be made
to rest on a end girder as shown in the marginal sketch.

(3) Foundations:

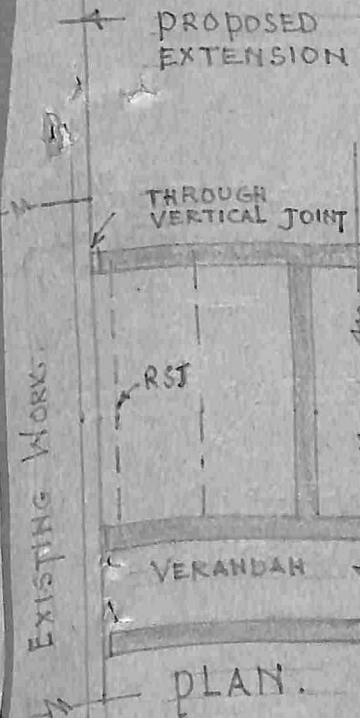
According to the foundations shown in the draw-
ing, the pressure upon soil works out to about 1.3 tons
per Sq.ft. It is presumed that the foundations proposed
is in accordance with the foundations provided for the
existing building. However the Consulting Engineer should
verify whether the foundation is safe for the nature of
sub soil met with at the site of the proposed extension.
This could not be verified in this office in the absence
of trial pit sections.

(4) The following portions of walls should be
constructed in second class brick in Cement Mortar 1:1
as the pressure exceeds the permissible limit for second
class brick in lime mortar.

(a) Extension on the west of Science Block:

- (i) Pier between W & W1 windows.
- (ii) Pier between A doors in the Zoology rooms.

(b)



- 56
- (c) A detailed report accompanying the estimate.
(d) Specification and Structural Calculations
& (e) Nature of the formations of the existing blocks, for
enabling a detailed scrutiny.
2. The plans and estimates have been examined with
the available particulars and my technical note thereon
is enclosed herewith.
- ppp 57-60 mpa
- for Chief Engineer, P.W.D.
(Genl. Bldgs. & Defce)
- Encl:
- 6 pencil plans A.V.No.1 to 6
 - 1 estimate with Madras Terrace design in 17 sheets.
 - 1 estimate with R.C.C.Design 21 sheets.
 - 1 Technical note with a pencil sketch for the revised schemes of R.C.C. beam & slab.
- ppr.30/4.

(b) Extension on the East of Science Block.

- (i) Pier between W2A windows in Physical Chemistry laboratory rooms.
- (ii) Pier between W2A window and B door in the honours physical Chemistry laboratory.

(c) The portion of wall under the piers in (a) and (b) above for a depth of 1'-0" below the sill of doors and windows and 1'-0" on either side should also be built in Cement Mortar 1:3

(5) Damp Proof Course:

The estimate provides for a damp proof course of brick on edge in Cement Mortar 1:4. Instead of this 1:3 cement plastering 3/4" thick may be provided at a level below the flooring concrete and the inner face or faces of wall in contact with the flooring concrete also plastered with C.M. 1:3, 3/4" thick (The brick on edge damp proof Course proposed by the consulting Engineer will transmit dampness through bricks and will not be effective).

(6) Flooring in G.F.

The estimate provides for a flooring of 6" thick brick jelly concrete in lime mortar 1:2 and top plastered with C.M. 1:4, 1/2" thick. It would be propokable to have a cement concrete base using 1:5 cement mortar laid in alternate ~~panels~~ panels of 10'-0" and top plastered with C.M. 1:3, 1/2" thick with joints finally grouted with C.M. 1:3. Special care will of course be necessary to ensure bonding of plaster with the base, before the latter sets.

(7) Doors and windows:

The estimate provides for T.W. doors and windows. It is presumed that the required teak wood could be got without difficulty as otherwise country wood will have to be used.

(8) Extension on East of Science Block.

Double shutters outside panelled and inside glazed provided for the W.3 & W.4 windows in lavatory appear unnecessary. These windows may be provided with glazed shutters with frosted glass.

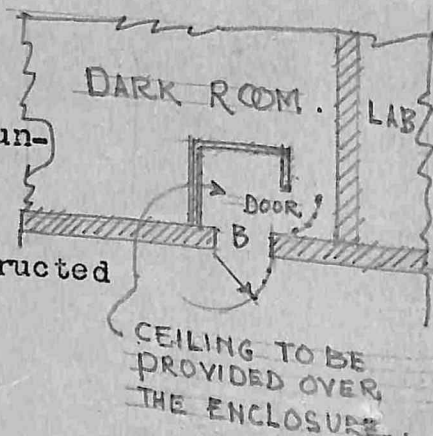
(9) The light trap in the dark room should be constructed as per the sketch shown in the margin.

Extension on West of the Science Block.

(10) The estimate provides 12 Nos. of A doors 5'-0" x 10'-0" and 6 nos. of B doors 4'-0" x 10'-0" both in the G & F floors. But in plan only 5 A doors and 4 B doors are actually provided in both the floors. The estimate does not provide for the 7 windows shown on the verandah side of the Zoology rooms. These windows shown in the plan are evidently a mistake and should be A doors. Provision of 6 nos. of B doors in the estimate is also a mistake for 4 doors. The estimate provides for panelled windows with iron bars for the laboratory room but they are shown as glazed in elevation in the drawing. For these windows iron bars may be omitted and glazed shutters may be provided instead of panelled shutters. The plans and the estimates require correction suitably.

(11). R.C.Lintels:

Over all doors, windows and openings the estimate provides arch work in G.F. and R.C.lintels in F.F. Provision of lintels in the F.F. may be restricted to the minimum essential, so as to restrict the use of controlled materials, unless R.C. lintels are necessary for them either for symmetry or appearance.



(12). Country wood wrought and put up.

The sizes of joists provided in the estimate are larger than necessary even for class IV country wood designed for stiffness with end condition as partly fixed. The sizes as altered in pencil in the estimate may be sufficient. The joints should be fish plated with wooden plates of 1" thick over all girders.

(13) R.S.Girders.

There is no size as 18" x 7" x 65 lbs. Perhaps. OBSB 18" x 7" x 75 lbs. is meant. The girders proposed in G.F. for supporting the terraced floors should be altered to 20" x 6 1/2" x 65 lbs. in plan. In the estimate however the weight taken is only for 20" x 6 1/2" x 65 lbs. The estimate provides for encasing the girders. Girders supporting Madras Terrace roofing are not usually encased.

(14) Madras Terrace Roofing. The proportion of 1:1 lime mortar specified in the estimate for laying the flat tiles is too rich. The proportion should be changed to 1:1 1/2 as specified in M.D.S.S.

(15) The estimate provides L.S. of about Rs.600/- for constructing the staircase. In the absence of details re. the nature of the staircase the adequacy of the provision cannot be examined.

(16) The estimate does not provide for the partitions shown in the lavatory block. As far as possible the W.C's should be placed against the exterior walls for purposes easy connection to the soil pipe. The position of W.C's may therefore be re-arranged.

IV. The Estimate providing for R.C.T.Beams and slabs has been scrutinised and the following are the remarks.

(1) The Consulting Engineer has adopted a uniform thickness for slabs and depth of 20" for T.beams for all the room in G.F. and F.F. for the proposed extensions. It is better no doubt to have a uniform section so far as constructional facilities are concerned. The Consulting Engineer has not however furnished any calculations in support of the Sections proposed by him. The design furnished by him has been reviewed in this office and it is found that in the case of T.beam the steel will be overstressed to an extent which cannot be permitted.

(2) Taking the usual loading, fresh calculations have now been worked out for the design of T.beam and slab and the revised sections will be as given below. The Consulting Engineer should check these against any proposals for providing special heavy equipment in any room.

Description.	Size.	Reinforcement (main rods only).
<u>1st Floor.</u>		
i. Slab all portions except over research laboratory of West Wing.	5" thick.	1/2" dia. rods at 6" centres.
ii. Over research laboratory of West Wing.	5 1/2" thick.	1/2" dia. rods at 5" centres.
iii. T.beams throughout.	Rib.12"x22 1/2"	5 rods 1 1/8" dia. or 6 rods 1" dia.

Ground Floor

Ground Floor.

- i. Slab all portions except over research laboratory of West Wing. $5\frac{1}{2}$ " thick. $\frac{1}{2}$ " dia. rods at 6" centres.
- ii. Over research laboratory of West Wing. $5\frac{1}{2}$ " thick. $\frac{1}{2}$ " dia. rods at 5" centres.
- iii. T. beams throughout. Rib $12" \times 22\frac{1}{2}"$ 5 rods $1\frac{1}{8}"$ dia. or 6 rods 1" dia.

In the case of the floor and roof slabs for and over the first floor, suitable expansion joints should be provided over the cross walls.

It is also noticed that in the data submitted, there are some mistakes as corrected in pencil in this office.

In other respects the second estimate (with R.C. T.beam and slab) is generally similar to the Madras Terrace design originally submitted except that L.S. provision has been made additionally for the special requirements of the Chemistry Departments such as Air vents under windows, fume chambers with chimneys in laboratory room etc. in R.C. design.

GENERAL:

The cost of the scheme adopting either Madras terrace and R.S.Js. or R.C.C.T. beam and a slab is almost the same i.e. Rs.2,25,000/- and Rs.2,30,000/- respectively as estimated by the Consulting Engineer. It may be better to use the R.C. C. design since the steel controller has stated several times that heavy structurals are not available as easily as light structurals.

=====

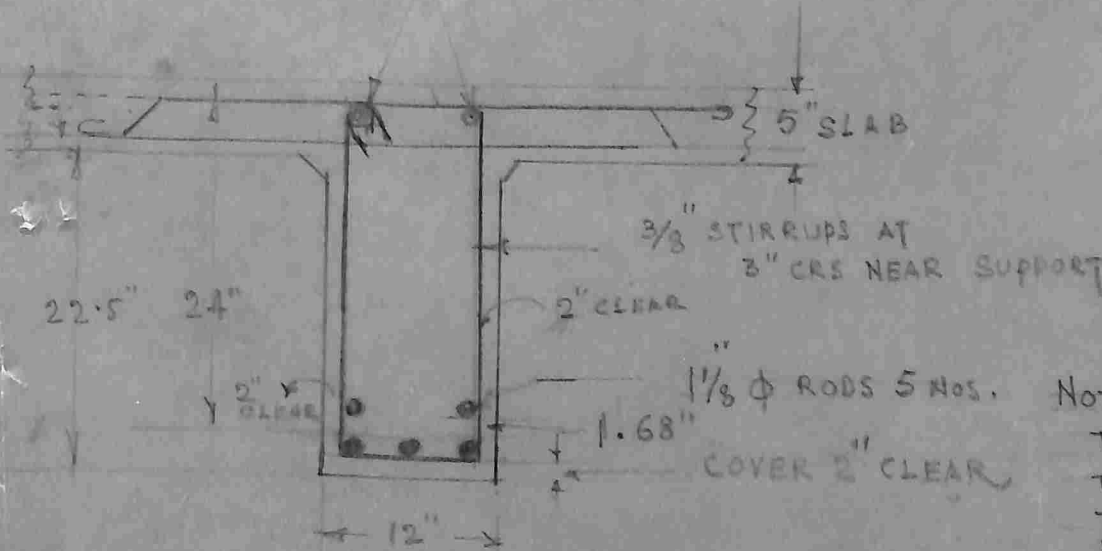
FM
1/8"

ANNAMALAI UNIVERSITY - EXTENSIONS TO SCIENCE BLOCKS.

SKETCH FOR R.C.C. DESIGNS (NOT TO SCALE)

SLAB - REINFT. $\frac{1}{2}"$ ϕ RODS AT 6" CRS.

$\frac{5}{8}"$ ϕ STIRRUP HOLDERS, 2 NOS.



SECTION OF T-BEAM & SLAB

FOR FIRST FLOOR -

N.B.:- THE THICKNESS OF SLAB SHOULD BE $5\frac{1}{2}"$ THICK (VIDE TECHNICAL NOTES ALSO) FOR GROUND FLOOR - OTHER DETAILS BEING SAME.

NOTE:-

THIS DESIGN ALLOWS FOR THE WEIGHT OF 1" PRESSET TILE OR OTHER FINISH FOR FLOORING IN FIRST FLOOR AND ABOUT 3" THICK BRICK CONCRETE TILES OVER ROOF SLAB.

25/1/4

SKETCH FOR R.C.C. DESIGN
 (NOT TO SCALE)
 It is noted that in the data submitted, there are some errors in the design of the roof slab for a workshop building. The design is generally similar to the Madras Torrens design, but with some modifications. The design is submitted for the special requirements of the Workshop Building, which is a single storey building with a flat roof. The design is submitted for the special requirements of the Workshop Building, which is a single storey building with a flat roof. The design is submitted for the special requirements of the Workshop Building, which is a single storey building with a flat roof.

SECTION OF WORKSHOP SLAB
 FOR FIRST FLOOR

THE THICKNESS OF SLAB
 SHOULD BE 8" MIN.
 FOR GROUND FLOOR
 OTHER DETAILS BEING
 SAME

(V)E TECHNICAL NOTE
 (2021A)

12/4/45

URGENT.

Office of the Chief Engineer, P.W.D.,
Genl. Bldgs. & Defence, Chopank, Madras.

Letter No. 1012-Wks/45-2 dated 8th May 1945.

From E.H. Chave Esq., C.I.E., B.Sc.,
Chief Engineer, P.W.D.

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

Sir,

Sub:- Annamalai University - Construction of a Workshop -
Plans and estimate.

Ref. From the Govt. (E. & P.H. Deptt.) Endt. No. 59928-C/
23 Edn. dated 22-4-45 (sent in original).

The plan and estimate for the work referred to above
have been scrutinized with reference to the particulars furnished
and my remarks are embodied in a technical note enclosed herewith.

for Chief Engineer, P.W.D.

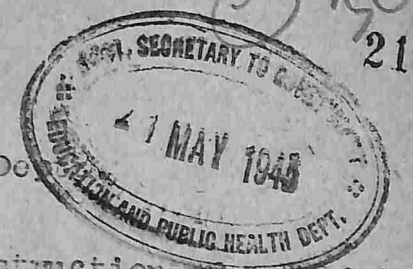
Encl:- 1 B.P. Plan.

one estimate in 3 sheets.

Registrar's letter and Govt. endt. 1 sheet.

1 Technical Note.

sla/3-5-45.



(1) From the plan it is seen that the workshop building is an extension to an existing building the name of which is not given. Site survey, soil and sub-soil particulars, calculations for foundations and for R.S.Js and wooden joists for Madras terrace, have not been furnished.

(2) It is stated that the construction has come up to Girder level and girders also are expected shortly. It is presumed that the foundations proposed for the workshop are similar to the existing building for which this forms an addition and that the adequacy has been verified by the Consulting Engineer, with reference to the Sub-soil actually met with.

(3) A section of $2\frac{1}{2}$ " x 7" (Countrywood Class IV for stiffness) is seen to be ~~sufficient for the joists of the Madras terrace (against 3" x 9" provided in the estimate and $2\frac{1}{2}$ " x 9" shown on the plan).~~ The joists may be fish plated over the R.S.Js.. If, however, 3" x 9" section has been proposed with any idea of a future extension in the first floor, it may be left unaltered, but in this case, the adequacy of foundations should be rechecked even now with that idea.

(b) The size of windows is noted ~~as 5' x 6'-6"~~ in the plan while it is noted as 4' x $6\frac{1}{2}$ ' in the estimate. The estimate provides for panelled windows and glazed windows will be preferable and the sizes may be 4'-9 $\frac{1}{2}$ " x 6'-3 $\frac{1}{2}$ " as per M.D.S.S. Plate W. 28.

(c) The number of windows to be dismantled in the existing building is shown as 4 in the drawing while it is noted as 3 in the estimate. It is stated that 2 of the dismantled windows are proposed to be ~~refixed in the extension.~~ But their positions are not shown in plan.

(d) A through vertical joint should be left at the junction of the old and new faces of walls to avoid cracks as pointed out in my Technical Notes on the ~~proposed~~ proposed Hone Laboratory Buildings - vide Para III Sub para 2(b) of my No.1012-Wks/45-1 dated 30-4-45.

(e) For roof beams, N.B.S.B. No. 14 of size ~~18" x 6"~~ 18" x 6" x 50 lbs. is found to be sufficient for a load of (90+50+3) = 143 lbs. per sq. ft. But it is not clear why the next heavier section 18" x 6" x 55 lbs is proposed in the estimate and plans.

4. The following mistakes in the estimate require correction.

(a) Item 4. Brick work in lime mortar (1:2) -- deductions Thickness of the bed blocks for R.S.Js. should be 6" and not 12".

(b) Item 7. Filling in basement.
The quantity of 473 Cft. is to be corrected as 1850 Cft. The unit adopted is 100 Cft. though the usual unit is 1000 Cft. The rate of Rs.5/- per 100 Cft. requires reverification.

(c) ~~Item 14.~~ Item 14. C.W. wrought and put up.
The length of the camber ~~piece~~ should be 21 ft. and not 11 ft.

(d) Item 15. Madras Terrace.
The dimension as noted in the estimate exclude the bearing of the terrace in the walls. A bearing width of 9" on each wall should be added. The lime mortar for embedding flat tiles should be of 1: $1\frac{1}{2}$ and not 1:1.

66.

(o) Item 20. Painting.

The area of painting R.S.Js should be 600 Sq.ft. against 780 Sq.ft. noted.

(f) Item 17. The plastering to floor may be omitted.
The floor can be of 4" concrete hard broken stone $1\frac{1}{2}$ " size in cement mortar (1:3), top rubbed smooth after raising.

E.H. Chave, 6-5-45.
Chief Engineer, P.W.D.

skd/

28/6

E.P.H.

67

64
28/6

university - Annamalai - Extensions to Science buildings

- grant raised to Rs 2.25 lakhs

Read again:

(M)

G.O. No 700 &dn dated 12-5-42.

From the Registrar, Annamalai University no

6170 dated 26-12-44.

From the Registrar, Annamalai University no 4715/17-4-45

From the Chief Engineer (Genl Bldgs + Defence)

no 1012 - Wk/45-1 dated 30th April '45

Order no 967 &dn dated 28.6.45

The Government direct that the grant of Rs 1,38,000. promised in G.O. cited above towards the cost of ~~the~~ Extensions to Science buildings in the Annamalai University be raised to Rs 2,25,000.

(M)

68
Necessary provision for the grant will be made
in the current year's Budget

The Government are unable to
sanction a grant towards the construction of the
workshop, ^{which} was not included in the original
Scheme.

2. A copy of the remarks of the C.E.
on the plans and estimates submitted by the
University is commd to the Registrar
over
23.6.45

Depd
in the
K M
29.6.45
To pp 57-60 cf
The Registrar, Annamalai University.
The D.P. 9 [with copy]
for order pp 57-60 cf

26.6.45
Lyl
J. M. W.

37 69
Exp. H. Dept (C)
C59928 from the Registrar, Annamalai Univ.,
No. 6171 d 26.12.44
from Do No. 6170 d 26.12.44.

Annamalai Univ. - College of Engineering -
Provision in 1945-6 Extensions to
Science Buildings - Permission to start
work

With reference to para 2 of G.O.
No. 1892 Edu, d 20.12.44, the Registrar,
Annamalai Univ. reports that the Univ.
expects to incur in the financial year
1945-6 an expense of Rs. 31,000 on acquisition
of land, buildings and ^{equipment} in connection
with the College of Engineering & Technology.
The Govt grant to be provided towards this
expense will be Rs. 15,000. The Finance
dept may be requested to make provision
for this amount in the B.E. for 1945-6.

2 In this connection, the Registrar
states that the Univ. also proposes to
start work on the Extensions to Science
Buildings and the Building for Daniel
Research for which grants were promised
in G.O. No. 700 Edu, d 12.5.42. In this G.O.
the Univ. was told that the two schemes
cannot be taken up for execution
under present conditions and that the
Univ. may apply for payment of the
grants when they were taken up for execution
on the restoration of normal conditions.
In Sept 1942 the Univ. asked for
permission to proceed with the works up to

Basement level. In the letter of 14.11.42 the Registrar was informed that the question of providing grants for the work would be deferred until there was a prospect of completing them.

The Registrar now states that the Hope Laboratories will be utilised also for accommodating the first year courses of the new College of Engineering and that therefore the University proposes to start work on them immediately. In view of this, the University may be allowed to start work on the laboratories and to submit a revised estimate based on the current rates. There seems no need to give similar permission in respect of the buildings for Dental Research.

Finance may see for remarks before circulation. P.W.D. may also see with reference to the request for the grant of priority certificates for building materials.

29.12.44
30.12.44
30.12.44

Para 1 of E and P.H. note. Separate action will be taken to provide the necessary funds in B.E. 1945-6.

2. Para 2 of E and P.H. note. The Registrar, Annamalai University, has stated that he proposes to start work on the Sir Arthur Hope laboratories immediately and utilise the sanction in G.O.No.700 Edn and P.H dated 12-5-42 subject to approval of a revised estimate to be submitted soon. The expenditure for the year (1945-6) is estimated to be Rs 1,60,000.

It is submitted that the proposal for the extension to the Science buildings of the University was treated as a

This may be treated as an add'l Part II scheme to be put forward by A2 at the meeting of Advisers to consider Part II schemes if E.P.H. can obtain orders in O.A. and the usual no. of copies of a brief note on the scheme to be put forward by 5.1.45. DWD



Part II scheme for 1942-43 and the grant then proposed to be sanctioned was Rs 1,38,000. The provision made in the budget of that year (1942-3) for this purpose was not utilised and the sanction lapsed under para 53 of the Madras Budget Manual proposals for Building grants should be treated as a Part II scheme. It is now too late to consider the proposal as a Part II scheme for 1945-6. Edn and P.H may be requested to obtain orders of A.1 in circulation for including the necessary provision in Part I of the budget estimate for 1945-6. As the sanction already conveyed in G.O.700 Edn and P.H dated 12-5-42 was for Rs 1.38 lakhs, provision up to this amount may be made provided in the Budget for next year against Rs 1.60 lakhs proposed by the University.

Sanction of the Governor General under Section 93 situation ~~will~~ not be necessary as such sanction was already accorded in connection with Part II scheme proposals for 1942-3.

According to the present proposals, work will be begun on both the schemes sanctioned by the Govt., viz (1) extension to the Science buildings & (2) Construction of buildings for the new Engineering Courses. The former scheme was ordered to be taken up for the restoration of normal conditions. It is now reported that it is necessary to take up the work immediately not only to meet the existing needs but also to provide accommodation for the 1st year students of the proposed Engineering & Technology Courses. Finance may agree to the proposal.

The grant of 1.38 lakhs sanctioned in G.O. 700 Edn & P.H. 12.5.42 represented the full cost of the work (extension to the Science buildings) as then estimated. It is now proposed to revise the estimate with ref. to present prices. The cost is bound to be much more than 1.38 lakhs. The question arises whether the entire cost according to present rates should be borne by the Govt. or whether the Govt's commitment should be restricted to 1.38 lakhs, the University being asked to bear the excess over this amount. E.P.H. may examine this point.

Buildings for the new Engineering Courses - Finance has agreed to make the requisite provision (Rs. 1.55 lakhs)

in the next year's budget: Rs. 1 lakh is being provided in the R.E. for the current year. No further action.

(2) Sri Kurma Tamil Research Institute bldgs.

Estimated cost in 1941 was Rs. ~~11.14~~^{96,000} and

Govt. promised to make a grant of ~~this amount~~ ^{this amount}. The decision that now holds the field is that the construction of this bldg. should wait for normal times. There is no indication in the Regr.'s letter how construction has now become a matter of urgency. Provision of funds need not be considered now. Regr. may be informed that the construction should be deferred.

(3) Sir Arthur Hope Laboratories: promised grant - Rs. 1.38 lacs

This stood in the same position as (2) above: the present urgency for construction is due inter alia to the laboratories having to be used for the proposed Engineering courses. No revised estimate has yet been recd. and it is difficult to conduct the examination proposed by Lin. on the previous page without estimates and an idea of the further commitments of Govt. It seems sufficient to tell the University that Govt. have no objection to its proceeding with construction but that the permission in no way commits Govt. to a further grant which ^{will} ~~can~~ be considered, ~~only~~ on the merits of the case, after revised estimate has been received. The question of providing funds for this work may be considered later as a new scheme for introduction in 1945-46.

(4) Priorities for materials The Regr. may be asked to expedite the further report at 'A' on p 4 ~~and~~ C.F.

Draft letter for approval. Finance ^{p 4 of} may see before circulation.

Please see this Department's notes on pages 2-3 above. Finance (Exp.B).

the subsequent note of E and P.H. and the draft letter put up by them.

It is submitted that even in regard the proposal to revive the sanction accorded in G.O. 700 Edn. dated 12-5-42 for a ^{grant} ~~grant~~ of Rs 1.38 lakhs the Part. II procedure will have to be followed as no part of the grant has actually been disbursed *So far -*

see para 53 of the Madras Budget Manual. E and P.H. propose to consider the question of providing funds later as a new scheme for introduction in 1945-6. This may be agreed to.

Changes indicated
in pencil are
suggested. DWD

The portion in the draft letter enclosed in pencil may be omitted. Subject to this modification, the draft letter may be accepted and the file ^{referred} passed on to E and P.H. #2

2.1.45

2.1.45

At my see, as the

issue of this letter will practically commit the Govt to making a grant of at least Rs. 1.38 lakhs for the Sir Arthur Hobbs Laboratories in the course of 1945-6.

D.D. 2.1.45 E.P.H.

NO 12 EXP-1
2-1-45



Co
21.45

Many be circulated to A_2 & A_1 . It
is not perhaps necessary to trouble H.E.
at this stage, with particular
ref. to para 2 of
draft

A circular ink stamp from the Government of Madras. The outer ring contains the text "SECRETARY, EDN. AND P. H. DEPT." at the top and "GOVERNMENT OF MADRAS" at the bottom, separated by two small stars on each side. In the center of the stamp, the date "8 DEC 1945" is stamped. There is some faint, illegible handwritten text above the date.

Discussion of

And to all:
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 the in the column
 the 'pains' of
 made the parishes

3 1 6 12
The whole scheme proceeded on the assumption that classes would be started next July. The question of immediate construction of buildings was also discussed - Vide Finer's Scapp's note & the letter noting at R 7-8, & 10-13 N.Z. Mr. Lawrence as Attorney suggested the advisability of temporary buildings without involving the use of heavy girders, as far as possible. But this point was not pursued. Draft will come and the question will be considered on receipt of the report as to the requirements of the work.

6
~~Letter~~ Issued as Letter No. 59928C-3
d 3.1.45
Cbo 88 from the Rego, Annamalai Univ.,
No. 7156 d 9.2.45.

The Registrar, Annamalai Univ.,
reports that the revised estimate for the
extensions to Science buildings (Sir Arthur
Hope Laboratories) amounts to Rs. 2.29 lakhs. p5cf
He has not, however, submitted to Govt.
the ^{detailed} revised estimates. ~~He may~~
~~be asked to forward these, as they are~~
~~necessary for ^{examining} the fact the question~~
~~of addl grant. Draft letter on p.b.c.f. is~~
~~for approval.~~

3/ The Registrar requests that priority
certificates may be issued in respect of the
building materials specified at pp 7-9 cf.
P.W. Dept may be requested to take necessary
action for the issue of the certificates.
The file may be sent to that dept after
issue of the draft on p.b.c.f.

21.2.45
21/2/45

It is now seen that in addition to
Laboratory, the Univ. has made provision
for a small workshop. Govt. has not
promised a grant for this item and there does
not appear to be justification for considering
a grant now: if the workshop is many
combined ourselves strictly to the scheme of
Laboratory contemplated in 1942. It was then
seen that the Univ. had thought of two blocks of
buildings estimated to cost as follows:
Rs 1,26,000 + Rs 9,000 for water & gas connection

and petty supervision - + Rs 1.38 in the aggregate.
The R.E. now shows that the work will cost
Rs 2.15 + 56 p.c. over the original estimate.

2.2.7

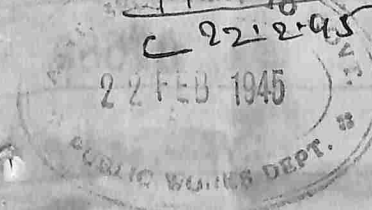
2.15 - para 2 on
p5cf

It is
a
question
whether
it is
necessary,
in view of
the issue of an
advt.
grant, and if
so by what
agency it
should
be got done.
Perhaps the
P.W.D. may
advise
whether the
provision, in
case it is felt
necessary,
may be
entrusted to
the C.E. as a
special
case. In that
view of the
case, a R.E. and
plan (if plan
has been revised)
may be obtained.

Of the position as to the increase cannot be
said to be unduly high. On the other hand,
the original ~~estimate~~ itself was not subjected to
any scrutiny on behalf of Govt. It is now
for Govt. whether ~~it is~~ necessary
is necessary, in view of the issue of an advt.
grant, and if so by what agency it should
be got done. Perhaps the P.W.D. may advise
whether the provision, in case it is felt necessary,
may be entrusted to the C.E. as a special
case. In that view of the case, a R.E. and
plan (if plan has been revised) may be obtained.

2/ The remarks of the P.W.D. will be
invited also on the question of obtaining priority
certificates for the materials specified at 7-9 cf.

No. 59928C-4



21.2.45

21/2/45
MMS
P.17

This dept need not object to the C.E. scrutinising the
estimate as a special case. The work involves the
use of cement, iron and steel and teak wood; vide
pp 7-9 cf. These are dealt with below.
Cement. According to the eq. of. I. instructions,
for any new development schemes, previous
Consultation with the eq. of. (Supply Dept.) is necessary.

This is
Reg. para 2.

(A)

E & P.H. may take necessary action in this regard.

Steel: Requirements of steel for educational institutions are not generally supported. However exceptions were made in the case of temporary buildings^{for}, Queen Mary's College, Madras, and Women's Medical College, Vellore. In view of A-2's minute on p.5 ante, this Dept. may agree to the use of the materials. It will be seen from the list at pp 7-84, the requirements include use of R.S. joists. In certain previous cases, the Civil Steel Licensing Authority refused to issue a licence for ^{such} heavy structural and suggested the use of R.C.C. beams instead. E & P.H. may consider this point and instruct the party to eliminate the use of R.S. joists & to adopt R.C.C. beams.

In regard to teak wood, Dept. will have to be consulted.

E.&P.H. Deptt.

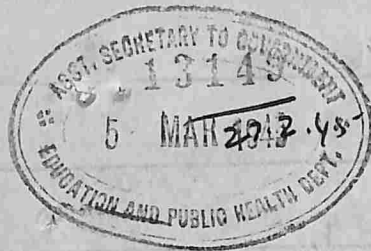
Leaving out of account the workshop which need not be considered in the present context (cf. p.6 ante), 99 tons of cement will be required for the two wings of the Science laboratories. Now that the Supply Dept. of the G. of I. have to be addressed, it is perhaps as well to have an idea from the University of the time when and the stages at which the quantity of cement will be required.

Draft letter to the Registrar is submitted.



file may now be sent to Dev: with refer: to P on p. 8 ante. Dev: w/o. 23.2.45

Ho. 59928 c-6 24.2.45



Dev w/o 13/49c/45-1 3.3.45 08994

With reference to portion marked p on p. ante

the EPH Dept may be requested to consult the C.C.F regarding the technical required for the construction. The file may be retained to EPH.

3.3.45

C 8900 from the Registrar, Anna-malai Univ., No. 7500 d 2.3.45.

The revised estimate and plans submitted by the Registrar may be forwarded to the C.C.F. (by B & D) for scrutiny and remarks.

The total quantity of cement required was reported as 99 tons in the first instance. The Registrar now states that the actual quantity required by the substitution of R.C. beams for girders is being closely estimated and that in the meantime the

Govt may be addressed for the supply of 100 tons as indicated by him. The C.C.F. may be addressed with refer to above. Drafts submitted for appl.

In regard to supply of Survey instruments and equipment the list promised by the Reps may be awaited.

The refer: to C.C.F. may also include counter-wood, as a fairly large quantity is involved and as it would facilitate construction, if the Forest Dept. can lend a helping hand on that behalf also.

Supp: Minimum tax; encls. to be submitted

23.45 5/3/45 7.3.45

[Issued as Letter No. 59928 C-8 d 8.3.45, pp 15-16 cf
 + Memo No. 59928 C-9 d 8.3.45 + 59928 C-10 d 8.3.45] pp 16-17 cf
 C 9712 From the Regr, Annamalai Univ, No. 7656 d 7.3.45 p 19 cf

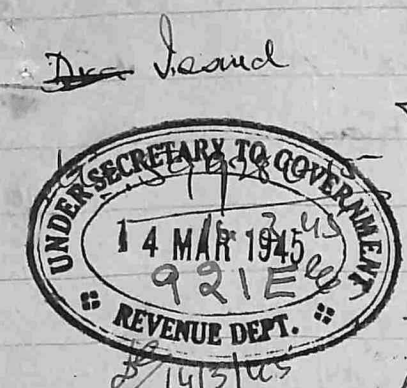
The Registrar, Annamalai Univ, has now ~~forwarded~~ ^{sent} to Govt a Revised estimate for the Hope laboratories providing for R.C.C. beams in the place of R.S. joists. The estimate may be forwarded to the C.E. (G.B. + D) for scrutiny in continuation of the memo at pp 16-17 cf.

The further quantity of cement required for R.C.C. beams and floors is reported to be 160 tons. The Govt (Supply Dept) may be addressed for the supply of this addl quantity.

The Registrar states that iron m.s. rods and steel wire will also be required for making R.C.C. beams — please see p 21 cf. The application for these iron materials should be made by the Univ in the prescribed form to the Civil Steel Licensing Authority, Calcutta. The form of application can be obtained from the Controller of Supplies, Madras. ~~For orders whether~~ The Registrar may perhaps be informed accordingly.

It is now reported that timber will not be required for the construction of the laboratories

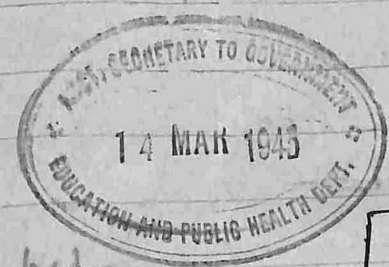
The C.C.T. may be told that no action need be taken on the memo at p 16 cf. Drafts are submitted for appl. The Univ has also asked for the supply of the Survey instruments mentioned at p 21 cf. Rev may be consulted in regard to this. After issue of the drafts the file may be sent to Rev.



To C.E. Please see para 2 above. With regard to the Survey instruments required, the Rev. P.H. Deptt may be requested to address the Board of Revenue. The file may be returned to that Deptt.

app 21 CF
 Sp at time 14/3
 Rev no 921 E / 14.3.45
 14/3/45

Draft memo to Board of Rev is subml for appl.



[Issued as memo No. 59928 C-16 d 17.3.45]
 C 11308 From the Hony Cement Adviser, No. HCA/ES/11 d 16.3.45.
 C 11313 From the Registrar, Annamalai Univ, No. 7910 d 20.3.45.

The Hony Cement Adviser to the Govt, Madras, has ordered that the demand for the supply of 100 tons of Cement made in the letter at pp 15-16 cf may be met — vide communication

at p 29 cf.

2 Attention is invited to the Registrar's letter at pp 31-33 cf. The Univy seems to have got a licence for heavy and light structurals and the Registrar requests that Govt may order the supply required for the Hope laboratories and the workshop.

It is understood that the procedure after ~~the~~ a licence is granted is for the party to apply to a stockholder in consultation with the Regional Controller of Iron & Steel, Madras. The Registrar may be apprised of this procedure.

~~Draft letter submitted for appt.~~

P.W. D. may see before issue.

3 It is observed that the quantity of R.S. beams, 34.43 tons, mentioned at p 33 cf. is more or less the same as the quantity of R.S. joists mentioned in p 7 cf. ~~the Govt~~ In the letter at pp 11-12 cf. Govt suggested the substitution of R.C.C beams in the place of R.S. joists.

The Univy agreed to the suggestion and submitted a revised estimate providing for ^{the use of} R.C.C beams.

~~It is not clear why the Univy now requires for the supply of R.S. beams. It is for orders whether the Registrar should be asked in this point.~~

~~The Univy also asked for the supply of an addl quantity of 160 tons of Cement. As it has been able to get a licence for R.S. beams Govt need not perhaps object to the use of the beams. The Repr may be asked to report the amount of cement used if these beams are used.~~

~~A draft letter is subd. May be sent to P.W.D. with reference to para 2 above.~~

PW D No. 1616 G/45-1

26.3.45



12050

[Issued a Letter No. 59928 C-18 d 26.3.45]
C12507 from the Bd of Rev, Ref N. No. 928/45-1
C13005 from the Repr, Annamalai Univ, No. 100 d 1.4.45

The Annamalai Univ may be asked to purchase the Survey instruments in consultation with the Bd of Rev. A draft letter is subd. A draft letter to the Govt is also subd with reference to the Repr's letter on page 41 cf.

Issued

The C.E. (General, Bldgs and Defense) may be asked to expedite his reply to the memo on pages 16-17 cf. Draft reminder subd.

p 51-2

C. 13321/c, from the Registrar, Univy of Madras, Annamalai Univ, 86, d 4.4.45.

pp 13-17

At C. 7-11, the Univy was told that provision for a workshop might be excluded from the Revised estimate for the Hope laboratories, if it had

not formed part of the original design. The reason for this was that the permanent Secy, the Univy, has now sent an estimate for Rs 12,500 for the workshop and

asks for a grant equal to the full cost of constructing it. A decision as to what grant should be given for the laboratories, on the basis of the R. E; or to be taken up after the result of C. E's scrutiny is known. There is perhaps no harm in sending the estimate for the workshop also for C. E's scrutiny, the question of a grant, if any, being considered along with P above. The last view, draft ends below may be used for appt.

Fin. 14.4.45
S. 7.15.45

Finance (Expd)

Uo. 59928 C-23
16.4.45

Previous Finance note at pages 2-3 and 4-5 and the orders in circulation on page 5 above may be perused. The revised estimate for the Hope Laboratories, is stated to be Rs 2.25 lacs, as against Rs 1.38 lacs sanctioned in G.O. No. 700 Edn. dt 12.5.42. ETPH have sent the revised estimate to the CE (G.B.D) for scrutiny.

A further estimate for Rs 12,500 for the construction of a workshop, which was not contemplated originally in the estimate of 1942 has been received from the University. ETPH propose to send this also to the CE (G.B.D) for scrutiny. As scrutiny by the CE will not commit Govt. to a grant, this department need not object.

2. The recommendations of the ETPH department on the question whether the grant of Rs. 1.38 lacs should be enhanced with reference to the revised estimate will be made only after the estimates are received back after scrutiny by CE. - Cf. their notes on page 9 and also P, above. ETPH will

P. 9



16699

Subsided

pp 55-56 of

pb 3 of

Issued as Gndt No. 59928 C-23 dt 22.4.45
C 20506 from the C.E. (G.B.D), No 1012 U.K. dt 20.4.45
C. 21578 from Do No. 1012 U.K. dt 28.5.45

(2) + (2)

M/39

(2)

(4)

(4)

p. 54 of

The Annamalai Univ has submitted a revised estimate for the construction of the Sir Arthur Hope laboratories, for which the Govt promised a grant of Rs. 138000 in G.O. No. 700 Edn. dt 12.5.42. The revised estimate amounts to Rs. 225000 if R.S. girders are used and to Rs. 230000 if R.C.C. beams are substituted for R.S. girders. The Univ has also forwarded an estimate for Rs. 12500 for the construction of a Workshop as part of the scheme for the provision of the laboratories. The Registrar requests Govt (1) to raise the grant sanctioned for the laboratories from Rs. 1.38 lakhs to Rs. 2.30 lakhs; and (2) to sanction a grant of Rs. 12500 for the Workshop. 2. The plans and estimates

no doubt consider the suggestion of this department at A on page 3 above. in this connection No further remarks seem to be called for in Finance at this stage. The file may be returned to ETPH after perusal of the draft ends on p. 52 of. 18.4.45. 15.4.45. 19.4.45. 20.4.45. E.P.H.

Fin. U.O. 18609
21-4-45

for the works (prepared by the Univy Engr) have been scrutinised by the C.E. (G, B & D) - please see his remarks at pp 55-56 of. He has approved the revised estimate for the laboratories. The estimate for the Workshop has been approved for Rs. 12,000.

3. Grant for Workshop.
(a) Attention is invited to the notes at p 6 ante. Govt have not promised a grant for this item and there appears no justification for considering a grant now. For orders.

(b) Grant for laboratories. As the Registrar says that the proposal to substitute R.I.C beams for steel girders has been dropped, the revised estimate to be considered for grant purposes will be only Rs. 2.25 lakhs. ~~and not Rs 2.30 lakhs. The~~ Finance Dept has raised the point whether the Univy. should not be asked to bear the excess over Rs 1.38 lakhs. The Registrar states that the increase in the cost is mainly due to the rise in cost of materials, which is said to be 75 to 80 % of cost of the beams. The C.E. considers the estimate reasonable. There seems therefore to be a case for increasing the grant already promised. Perhaps one-half of the excess (Rs 0.87 lakh) may be met by Govt. For orders.

4. The file may be sent to Finance.



(2) 24122

Ac p 3 ante

Whatever the size of the grant, it is subject to conditions (3) & (4) - R/35-2-27

2.25.000
1.38.000
= 87,000

2.25.000
1.38.000
= 87,000

(Finance last noted on pp.14-15 above).

The case relates to the question of giving grants to the Annamalai University towards the cost of the following works

- | | |
|---|-------------|
| (1) Extensions to Science buildings - scheme approved in G.O. 700 Edn. dated 12-5-42. | Rs 2,25,000 |
| (2) Construction of Workshop not included originally in the scheme in item (1) above. | 12,500 |

2. Item (1) above. The Govt. decided in G.O. 700 Edn. dated 12-5-42 to give a full grant of Rs 1,38,000 for "Extensions to Science buildings". The scheme was treated as a Part II scheme for 1942-3 and a sum of Rs 50,000 was also included in the Budget of that year. When issuing the above order, the Govt. observed that it would not be possible to take up the work during the then prevailing conditions and asked the University to apply for the disbursement of the grant when the scheme was taken up for execution on the restoration of normal conditions.

In January last, the Govt. authorised the University to proceed with the construction of the work, as it was stated that the construction of the Sir Arthur Hope laboratories was urgently required in connection with the new Engineering and Technology courses to be started in July 1945, besides being needed for the students of the Intermediate classes. The work is now in progress. According to the revised estimate, the cost has risen from Rs 1,38,000 to Rs 2,25,000. The University has requested that the Govt. grant may be increased to the amount of the revised estimate. The increase in cost, which is due to the increase in the cost of materials and labour as compared with that which prevailed in 1942, works out to 63 per cent. E.P.H. recommend that the increase in the cost may be fully met by the Government as the grant was originally sanctioned with the intention of meeting the full cost. In view of the fact that the work had to be postponed owing to war conditions and as advised by the Government, it is for consideration whether this department may agree, as a special case, to the grant being increased from the original figure of Rs 1,38,000 to Rs 2,25,000, the present estimated cost. The question of

XN amp 16 above

PSTNF
ghoat
p 39 of M

2.25.000
1.38.000
= 87,000

EPH Secy's note at the bottom of p 16 above

may be accepted
P
2.25.000
1.38.000
= 87,000

increasing the grant when the cost of the ^a work rises in the course of execution is decided on the merits of each case.

3. Item (2) in para 1 on p.17 above. E.P.H. consider that there is no justification for giving a grant of Rs 12,500 for the Workshop, as the Govt. have not promised ^a the grant for this item. This department may agree with E.P.H.

4. The proposal to give a grant of Rs 1.38 lakhs for "Extensions to Science buildings" was treated as a Part II scheme for 1942-3 and a sum of Rs 50,000 was also included in the Budget of that year. But as the work was not taken up due to war conditions, no grant has so far been disbursed to the University for the above work. The point for consideration is whether, in these circumstances, the proposal for giving a grant should be treated as a "New Service". In view of the fact that the sanction for grant given in 1942 lapsed and no provision has been made for the work in the current year's budget, it seems that the proposal to make a grant towards the work in the current year should be treated as a "New Service". (It may be mentioned that the non-recurring grant of Rs 1,55,000 provided for the Annamalai University in the current year's budget ^{is} in respect of buildings and equipment for the new College of Engineering and Technology. Though the "Sir Arthur Hope Laboratories" referred to in this file ^{are} intended to be utilised also for the first year courses in the new College of Engineering & Technology, it is presumed that this work is separate from the laboratories ^(which would have been) provided for in the estimate of the work relating to the new Engineering College.)

KRV \$ Sud 5.6.45 E.P.H.

E & P. H.

For order on P & Q in the Finance

note. May be given full case with (Nils from (11) ante) to R above.

The work is essential ^{is in papers}. Grant may be increased as suggested at P. 18/6/45. The Govt. sh. be able to bear this. 2/6/45. Agree. S.M. 18/6/45. A1. A2. A3. A4. No. 25435.

X In the estimate 16.6.45 on pp 35-36 910 528 on 10.4.45 at (2) an increased grant of Rs 5950 was sanctioned in lieu of original promised grant of Rs 3475. para 2 on p.17 above

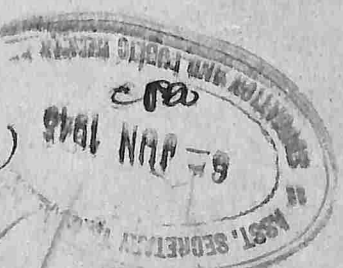
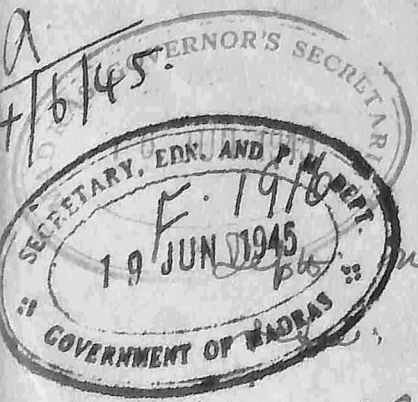
KRV 4.6.45 Sud

R of. P. 10/6/45 on p.2 KRV of extract of notes 4.6.45 flag (P) and notes on p.5 above Sud 16/6/45

Entry made in the Reg. book of "New Service" for taking action thereon.

A draft order is submitted. Action will be taken separately to ~~obtain~~ provide the necessary funds in the current year by a supplementary estimate of exp.

28.6.45 28.6.45 28.6.45





ANNAMALAI UNIVERSITY

No...3146

28th July...1945

From

THE REGISTRAR

ANNAMALAI UNIVERSITY

ANNAMALAINAGAR



The Secretary to Government,

Education and Public Health Department,

Madras.

Sir,

Ref: G.O.967 Edn. d.28-6-45.

I am directed, by the Syndicate, to convey its thanks to Government for their generous grant of Rs.2,25,000/- towards the cost of the Sir Arthur Hope extensions to the Science Laboratories at the Annamalai University. The Syndicate has also asked me to request Government to be pleased to reconsider their decision about the grant towards the construction of the workshop building applied for in my letter No.471 d.17th April, 1945. The Workshop building not only forms an essential part of the new extensions, but is urgently necessary to meet the needs of the increasing numbers of students being admitted to Science courses. Its omission from the original estimate may therefore be kindly overlooked and the grant of Rs.12,500/- applied for sanctioned.

G. S. W. S. S. S.
Registrar.

KRV \$ SW 5.6.45 EPH



All communications should be addressed to the Registrar, Annamalalai University, Annamalainagar by designation and not by name.

ANNAMALAI UNIVERSITY

No. 3833

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

Sir,

Sub: Grant for construction of Workshop.

I have the honour to invite your kind attention to this office letter No. 3146 dated 28-7-45 renewing our application for a grant of Rs.12,500 towards the construction of the Workshop forming part of the Extensions to the Science Laboratories and to request the favour of early orders thereon.

E. V. W. D. S. Paul
Ag. Registrar.

budget of 1

(C)

Decision was taken in ~~accordance with~~ full com. Y/18 v. f.
May A₂ & perhaps H. E. also see? In that case their
attention may also be invited to the proviso to Sec. 20.
Instruction 20.

14-8-45

S/A H.E.
15/8/45 H.E.

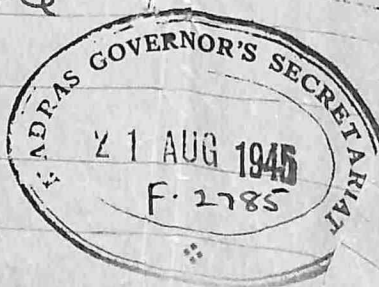
OS
18/8

The decision taken at p/18 Y (NF.) may
be adhered to - it is not a large
sum. The University should be able
to raise it.

Wm J 8/41



AH.
23/8/45



EDN. AND P. H.