

Ed H (194 &) Department.

MS SERIES.

G.O. NO. 1646 E dn

Dated 27-6-48

[Despatch Abstract.]

College - Engg - Curindy - Dept of Electrical
Communications Engg - Advt Staff - Sanitation

EDUCATION

DEPARTMENT.

C.F. 30.

Received 19 Registered 19



Subject.

OVERSEAS SCHOLARSHIPS - Utilization of services of scholars sent abroad for advanced studies on their return to India - 1945-1946 - Mr. K.S. Hedge.

33987

ENCLOSURES.

No.

Spare copies

R.C. No. 3344- C.1/47.

Station MADRAS., Dated the 7th May 1948..

From (Name) Sri D.S. Reddi M.A., (Oxon).,
(Designation) Director of Public Instruction.

To The Secretary to the Government of Madras,
EDUCATION AND PUBLIC HEALTH Department.

Sir,

REF: Government Endorsement No. 98173-A.3 dated 30.1.1948.

In continuation of paragraph 1 of my letter R.C.No. 3344- C.1/47-2 dated 27th February 1948 I submit herewith a copy of the letter dated 10th March 1948 received from Sri K. Sreenivasan, Professor of Tele Communications Engineering, College of Engineering, Guindy, regarding the staff required for the Tele-communication department. The Professor of Tele-communications Engineering recommends the creation of two posts of Instructors in Tele-communications Engineering during 1948-49 and another post of Instructor in 1949-50. I consider that in the circumstances explained in the enclosed letter it is essential.....

Further Papers

G.O.	Department.	Date.	G.O.

Separate file
maintaining

13-13-48

= 2 =

essential that one of the 2 existing posts of Laboratory Assistants in the Tele-communications department should be converted into a post of Junior Instructor in Tele-communications Engineering and a new post of Instructor in Tele-communications Engineering, should be created with effect from the academic year 1948-49.

3. In this connection I may submit that the following three candidates have been sponsored by Government for advanced studies overseas during 1945-46 with a view to their being absorbed eventually in the Education Department.

1. Ganti Subrahmanyam (Electrical Engineering-Radio communication).
2. N.V. Kudva. (Electrical Engineering-Wireless communication).
3. K.S. Hedge. (Electrical Engineering-Wireless communication).

It is not known when Sri Ganti Subrahmanyam will be returning to India or in what branch of Electrical Engineering he has actually undergone advanced studies. So far as Sri N.V. Kudva is concerned, the question of extending the period of his scholarship till April 1949 to enable him to undergo practical training in industry, is separately under consideration and the Government of India have been informed of the acceptance of the proposal by the Government of Madras. As regards Mr. K.S. Hedge, I recommend that the Government may be pleased to appoint him to officiate as Junior Instructor in Tele-communications Engineering, in the Madras Educational Service, under Rule 9(a)(i) of the General Rules relating to the Madras Provincial and Subordinate Services when the new post is sanctioned by Government.

for Director of Public Instruction.

Ram. 7/5/48.

R. SREENIVASAN,
B.Sc., A.I.I.Sc., M.I.E.E.,
MEM. A.I.E.E., S.M.I.R.E., F.A.Sc.,
PROFESSOR.

DEPARTMENT OF TELECOMMUNICATION,
COLLEGE OF ENGINEERING,
GUINDY,
MADRAS, S. INDIA.

10th March, 1948.

Dear Mr. Ranganathan,

I trust you have received my letter of 1st March and would again express my regret for this long delay in answering your d.o. letter of 2nd February. I give below the information you have asked for regarding (a) the number of students taking the telecommunication course (b) the existing staff and (c) the staff requirements in the coming years.

2. NO. OF STUDENTS TAKING THE TELECOMMUNICATION COURSE: Table 1 below gives the number of students in this Department since the course was instituted in July 1945. It is during the 1947-48 session that we had research students in the Laboratory for the first time and all but one of them comes from amongst the first batch of telecommunication students who passed their final B.E. examination in May 1947.

	1945-46.	1946-47.	1947-48.
3rd year.	12	9	12
4th year.	-	12	10
Research.	-	-	5
	12	21	27

TABLE 1 - NO. OF STUDENTS.

3. EXISTING STAFF: The teaching staff sanctioned by the Government for the Telecommunication course consists of 3 persons, one Professor and two Laboratory Assistants. The staff situation during the three years since the course was started is given in table 2 below.

Category of staff.	Posts sanctioned.	Posts actually filled in Posts now			vacant.
		1945-46,	1946-47,	1947-48.	
(a) Professor (M.E.S.)	1	1	1	1	Nil.
(b) Laboratory Assistants (S.E.S.)	2	-	-	2	Nil.
Total.	3	1	1	3	Nil.

TABLE 2 - EXISTING STAFF.

~~car~~

22

- 224

95-
(4) - 3 - 5

covering several years; and for lack of telecommunication graduates, they are taking electrical engineering graduates and even Physics graduates with radio as special subject.

8. This demand for telecommunication engineers is not confined to the civilian services only. The three defence services too are on the look out for qualified men; as telecommunications form the vital core of every one of them and as each of these services is being rapidly Indianised, they will require a good number of telecommunication graduates every year. I may mention in this connection that the Chief Signals Officer of the Southern Command has programmed to visit this College on 15th March to acquaint himself with the training of telecommunication engineers here and the facilities that we have for the purpose.

9. Besides the above, the railways and the police are going in for radio and some of them have recently advertised for men qualified in the subject.

10. CAREER AND EMOLUMENTS: These services offer the young entrant emoluments and careers which are extremely attractive compared to those attached to the post of Laboratory Assistant. While the Laboratory Assistant is given Rs.180-250, the recruit into the All India Radio, the Directorate of Civil Aviation or the Overseas Communication Service of the Central Government gets Rs.250-450 (or 500). The Laboratory Assistant takes at least 5 years to reach the maximum of the grade. Whereas the entrant into one of these telecommunication services has plenty of opportunity for promotion to the next higher rank well before he is due to reach the top of his starting grade. While in these services, he can look forward to a promising career of promotion, professional advancement and positions of technical and administrative responsibility, the Laboratory Assistant has little to look forward to beyond reaching Rs.250 after 5 or 7 years of service. Few opportunities are open to him.

11.7 Under these circumstances, there is little likelihood of our being able to secure for the two posts of Laboratory Assistant in this Department qualified men who will stick on for any but very brief periods - of perhaps a few months. The result will be that the efficient instruction of the students will become extremely difficult and the development of research activities almost impossible.

12. ~~Yes~~, No organisations in a country require the best available talent more than its educational institutions of university status. The students educated in them provide the leadership and form the foundation for the country's well being and progress in every walk of life. It is therefore imperative that the terms of service offered at these institutions should be such as to attract and retain the best and the most capable men in the line.

13. These are the reasons why I am strongly of opinion that the posts of Laboratory Assistant in this Department should be abolished and that its teaching staff should consist of none below the rank of Instructor.

14. STAFF FOR 1948-49 AND 1949-50: In the light of the above and bearing in mind the experience of the past three sessions, I give in table 3 below the minimum staff that I consider essential for the next two sessions 1948-49 and 1949-50 to meet the needs of instruction of the present strength of students-of 12 in the 3rd year and 12 in the fourth, 24 in all.

15. In arriving at this list, I have, as desired in your letter, taken into consideration the size and nature of the staffs of the other departments of the College. The utilisation of the services of the members of staff of these departments for instruction in Telecommunication Engineering is, I fear, quite out of question; for, this is a highly specialised and complex subject which is growing rapidly all the time and can be handled only by those who have devoted themselves exclusively to its study

Category.	Required in			Remarks.
	Existing	1948-49.	1949-50.	
1. Professor.	1	1	1	No change.
2. Instructor.	-	2	3	
3. Laboratory Assistant.	2	1	-	
Total	3	4	4	

TABLE 3 - STAFF FOR 1948-49 AND 1949-50.

16. As against the existing staff of 3 persons, namely, one Professor and two Laboratory Assistants, the proposal is to have a staff of 4 persons, consisting of one Professor, two Instructors and one Laboratory Assistant for the 1948-49

session; and one Professor and three Instructors for the 1949-50 session. This will mean that one post of Laboratory Assistant is to be abolished this academic year and the ~~xxxx~~ remaining one the next.

17. STAFF REQUIREMENTS BEYOND 1950: This will depend on the increase, if any, in the number of students admitted to the course and on the degree to which research and development activities will grow in the department as an organic part of its daily activities.

18. The proposed staff of one Professor and three Instructors may perhaps be able to manage even if the number of students admitted to the course is increased to 18 as against the present figure of 12. But this will mean that the routine work of instruction for each person will increase; and he will have less time to devote to research. I would therefore advocate the addition of an Instructor making a total of 4 Instructors and one Professor. It will then be possible for every one to engage himself in fruitful research as an integral part of his daily work. A person engaged in active research on his own is any day a far better teacher than one who is exclusively engaged in purely instruction duties. The professional standing of the Department and the prestige of the College will go up in proportion to the volume and quality of investigation work carried on by its staff and students. This is a matter which is not normally given due weight; in the coming years when India will have to become increasingly self-reliant in scientific matters, it is imperative that a College like this should become a recognised centre of engineering research and that its members of staff should have the necessary leisure and facilities to be active research workers. This is the reason for the proposal I am suggesting.

19. LABORATORY BUILDING: In a letter dealing with staff, it may not appear appropriate that I should raise the question of a suitable laboratory building for this Department. But the need for such a building is by far our most pressing and acute of all our needs. The lack of it is hampering grievously even the present instruction and research activities of the Department. We have no place for anything; no lecture rooms, no workshop space, no laboratories for the course students nor any for the research students; even the members of the staff have nowhere where they can keep their books and engage themselves in study and research. The store room is hopelessly inadequate and things are lying about everywhere open to the

...the reason for the...
...in a letter dealing with staff, I
...I should raise the question of
...for this department. But the
...most pressing and most
...is important. Unfortunately
...The lack of it is hampering
...of the depart-
...to all our needs. The lack of
...and research facilities, no
...no lecture rooms, no
...for anything, no lecture
...the course students nor an
...for the members of the staff.
...no laboratory, no
...even the members of the staff
...and engage them
...the research student
...they can keep their books and
...the more room is
...and things are lying about everywhere open to

KS:VS.

• 27 • 27

ABSTRACT

Letter from the Director of Public Instruction No. 3344-C1/47 dated 7-5-48.

The expenditure will be debited to "37-d-Education - University & Government Professional Colleges - B. Engineering College". The Accountant-General is requested to admit the expenditure in audit pending provision of funds.

(By order of His Excellency the Governor)
M.V. Subramanian,
secretary to Government.
P.T.O.

-2-
To The Director of Public Instruction.
The Accountant-General through Finance
Copy to A section.
True copy/ Forwarded/By order

Gn/

Superintendent.

Edn and P.H Dept.

Summarising Note for circulation
to Honble Ministers.

Eng: College, Guindy - Electrical
Communications Dept. - Addl. staff.

In 1945 the Govt sanctioned the
opening of a degree course in Electrical
Communications Eng. in the college ^{Eng.} Guindy
with effect from the academic year 1945-46
and sanctioned the following staff: -

1 Professor

2 Laboratory Asst

1 Signal Disturbance

1 Instrument Repairer

1 Store keeper

1 Attender

1 Cleaner

1 Peon

The D.P.I. recently reported that the
number of students taking the course
had more than doubled ^{that the staff was not able to cope with the work,} that persons
appointed as Laboratory Assts did not
stick to their posts in view of ^{in this branch} more attractive
salary given elsewhere and recommended
the conversion of one post of Laboratory
Asst into that of a junior instructor
(Madras Edl. Series) and the employment
of an instructor (Madras Edl. Series)
with effect from the academic year
1948-49. The Edn and P.H Dept supported

Summarising Note for circulation to the

Hon'ble Ministers.

Sub: Engineering College, Guindy - Electrical Communication
Department - Additional staff.

In 1945 the Government sanctioned the opening of a degree course in Electrical Communications Engineering in the Engineering College, Guindy with effect from the academic year 1945-46 and sanctioned the following staff:-

- 141x Professors.
- 242x Laboratory Assistants.
- 143x Signal Instructors.
- 144x Instrumental Repairer.
- 1. Store Keeper.
- 1. Attender.
- 1. Cleaner.
- 1. Peon.

The Director of Public Instruction recently reported that the number of students taking the course had more than doubled that the staff was not able to cope with the work, that persons appointed as Laboratory Assistants in this branch did not stick to their posts in view of more attractive salary given elsewhere and recommended the conversion of one post of Laboratory Assistant into that of a Junior Instructor (Madras Educational Service) and the employment of an Instructor (Madras Educational Service) with effect from the academic year 1948-49. The Education & Public Health Department supported the Director's proposal. The Finance Department also agreed to it. But the Finance Department suggested that as the extra cost involved exceeded Rs. 5000/- per annum recurring the proposal should be referred to the Standing Finance Committee and the Cabinet. They also suggested that if there was no time to make such references orders might be issued following the emergency procedure. As the College will re-open in July the emergency procedure was followed and orders were issued sanctioning the Director's proposal Vide G.O. No. 1646 Edn., dated 27-6-48.

A copy of this note may be circulated to all other Hon'ble Ministers who have not seen the case.

M. V. SUBRAMANIAN,
Secretary to Government.

Gn/

the Director's proposal. The Fin Dept also agreed to it. But the Fin Dept suggested that as the extra cost involved exceeded Rs. 5000 ^{per annum} recurring the proposal should be referred to the Standing Fin Committee and the Cabinet. They also suggested that if there was no time to make such references orders might be issued following the emergency procedure. As the college will re-open in July the emergency procedure was followed and orders were issued sanctioning the Director's proposal. Vide G.O. No. 1646 Edn. & 27.6.48.

A copy of this note may be circulated to all other Hon'ble Ministers who have not seen the case.

My
28/6/48

29/6/48

2/7/48

Despatched
by 3-2-48

to all A. N.
except H. M. (Ran)
H. N. (Fin) +
A. Pr.

B. No. 33987A. From the D. P. S. No. 3344-21/47
8.7.5.48.

Eng: College, Guindy - Electrical
Communications Eng: Dept - Addl
Staff.

The sanctioned staff ^{for} the Electrical
Communications Eng: Dept consists of

- One Professor ✓
- Two Laboratory Asst ✓
- One Signal Instructor ✓
- One Instrument Repairer ✓
- One Store keeper ✓
- One attendant ✓
- One cleaner ✓
- One peon ✓

In the circumstances explained in
his letter in the of the D. P. S recommends
the conversion of one post of Laboratory
Asst into that of a junior instructor
(Clk. E. S.) and the employment of an
instructor (Clk. E. S.) from the academic
year 1948-49. The ^{recommendation} ~~proposal~~ may be
accepted ^{in this dept} ~~approved~~.

It may be mentioned here that
Sri Srinivasan, Prof of Electrical
Communications Eng: has ^{since} resigned his
appointment to take up a Professor's
post in the Indian Institute of
Science, Bangalore. It is proposed to
accept the resignation and ^{place} ~~post~~ the
Prof: of Electrical Eng: (Dr. Sukumaran) in

also called Tele-communications
Eng.

Edn No. 1178 Edn (B)
18.6.5-

Edn No. 2078 Edn (C)
6.12.45-

Pay Rs 180-10-280
+ Pay Rs 260-4-20
+ Pay Rs 700

by A

in addl charge of the post of Prof:
of Electrical Communications Eng. The
addl Staff proposed by the D. P. J. has therefore
become all the more ^{urgent and} necessary.

As regards para 3 of the Director's letter, it is subd, that the question of the procedure to be followed for the employment of overseas returned ~~and~~ scholars has been raised separately.

The file may be sent to the Fin
dept for acceptance of the proposal at
A in the previous page.

167
26/5/48

00M
26/5/48 S

16/5/48 J.

Finance E =

T.P.H. u.a 53987-1 / 48A
dated 26.5.48

Finance E III

Please see the letter from the D. P. I., with its enclosure, in the C.F and the note of E.P. H on pp 1-2 above. The proposal ~~in~~ ~~the file~~ is to convert one of the two posts of Laboratory Assistants on the scale 180-10-280 in the Electrical Communications Engg. dept of the Engg. Co. Grindy into that of a Junior Instructor on the scale 260-40/2-420. and ~~also~~ sanction a fresh post of Instructor in that dept. on the scale 260-700. the ^{intimate} extra cost involved in the proposal is Rs 8690 p/a ^{monthly} ~~annually~~.

2. The present proposal is a preliminary step to the eventual abolition of the non-garretted posts of laboratory assistants already sanctioned for the Electrical Communications Engrg. Dept. and to the creation of garretted posts of Instructors instead - the upgrading of the posts is considered necessary ^{mainly} for the following reasons:

(ii) It is difficult to ~~source~~ ^{secure} qualified

X on p 7CF

wa 12, p 9CF

men who would stick on for a ~~set~~ sufficiently long time in the posts of Lab. Assistants on the scale 180 - 280

(ii) Educational institutions of the university status should have the best available men on the teaching staff.

3. In the circumstances explained by the Professor, Tele-Communications Engineering on pp. 3-13 CF, The proposal ~~independence~~ of E.P.H. at 'A' on p1 above may be agreed to in this draft ~~as a matter of principle~~. Attention is also invited to portion 'B' on p16 CF of G.O. 1176 Ecn & I. 8.45.

to portion is on 1/10/48. The extra cost involved exceeds Rs 5,000 p.a. recurring. The proposal should, therefore, be referred to the Standing Finance Committee and the Cabinet before issue of orders. If Govt consider that there is no time to make such reforms, they may take orders in consultation with H.E. Secy. N. I. Fin. & Pub. A. for extremely urgent cases.

400338117
 3275748

ADS
EPH

20.548 ΣΗΡΩ

Edn and P.H. Dept

The file may now be
circulated for orders on
(1) whether the add Matt
proposed by the J. P. S may be
sanctioned and

(2) whether the emergency procedure viz. issuing orders after circulation to H.ell (Tues), L.ell (Fri) and the Huckle Premier and circulating a summary note to all H.ells who have not seen the case and to the S.S and the Hie Secy, may be followed (the college re-opens early next month and if the weather is refused to the S.F.C and Cabinet it may not be possible to issue orders in time). W. J. T. H.

I would like to discuss
this with H. M. Eder

12.5

The file may be circulated
to H.M. (Enr) with the minute
of H. Pr. on page 3 ante.

JSM
14/6/48
by
14/6/48 H. (Enr)

20/6/48
14/6

The matter is urgent as appointments have to be made
even for this year. If H.Pr. wants to discuss with me
over this matter, he may call ~~on~~ ^{through the} me at any time to ~~discuss~~
~~those~~ and I will ^{discuss} the matter with him. But the matter may be
considered as urgent since the staff is necessary for the
proper working of the college even for this year.



ISA
25-6-48

Maybe his salary to H.Pr. May be sanctioned
by C.P.R.
25/6/48 H.Pr. 25/6

20/30
25/6

A draft order is subd. After issue
a summary note will be circulated to
H. Enr who have not seen the case
and steps will also be taken to obtain
a supplementary estimate.



JSM
26/6/48
26/6/48

Summarising
A draft ~~summary~~ note is subd
by
28/6/48 JSM
29/6/48 by
S. S. Gov.