

E. P. H. (1949) Department.

ME SERIES.

G.O. NO. 1265 Edu.

Dated 26-4-49

(29)

[Despatch Abstract.]

Colleges-Engineering, Grindy-Electrical  
communication Engineering Students.  
Practical training facilities in the  
Central and regional engineering  
establishments of the All-India Radio,  
Post & Telegraphs Department and  
the Directorate of Civil Aviation. Papers  
recorded.

# Back Papers.

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# Further Papers.

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## EDUCATION DEPARTMENT.

From

Dr. S.R.U.Savoor, M.A., D.Sc., I.E.S.,  
Director of Public Instruction, Madras.

To

The Secretary to Government,  
Education and Public Health Department.

R.O.C.NO.77-K2/47, dated 15-3-1947.

Sir,

Sub:- Engineering College, Guindy - Practical Training  
facilities for the Electrical Communication Engineering  
students.

I have the honour to enclose herewith copies of  
letters dated 4-3-1946 from the Principal, College of Engineering,  
Guindy and to request that the Government of India may kindly be  
addressed to afford the necessary facilities to the students of the  
Engineering College, Guindy.



for Director of Public Instruction.

Eddy. 17-3.

sd  
18/3

*Changes - Engineering, Guindy - Practical Training facilities for the Electrical Communication Engineering students. I have the honour to enclose herewith copies of letters dated 4-3-1946 from the Principal, College of Engineering, Guindy and to request that the Government of India may kindly be addressed to afford the necessary facilities to the students of the Engineering College, Guindy.*



D.O.NO.

Dear Dr. Savoor,

I enclose with this two letters both requesting practical training facilities for the Telecommunication Engineering students of this college, (a) in the All India Radio and (b) in the Posts and Telegraphs Department and the Directorate of Civil Aviation. The two letters are worded in almost identical language in case you wish to send them to Delhi with your kind support and recommendation.

2. Regarding the posts and Telegraphs department, my information is that it would perhaps be best to address directly the Honourable Sir Mahomed Usman, the Member in Charge, to minimise the risk of our request being turned down and to secure an early decision.

3. In the case of the All India Radio, you may perhaps consider addressing the Director General of Broadcasting at Broadcasting House, Parliament street, New Delhi. Mr. C.W.Goyder, the Chief Engineer of All India Radio was in Madras recently and visited the college, Professor Sreenivasan who has known him for several years has talked to him about the matter and thinks that Mr. Goyder may perhaps agree to our request for training facilities in the All India Radio.

Your sincerely,  
Sd/-K.S. Sitharaman,

To

Dr. S.R.U.Savoor, M.A., D.Sc.,  
Director of Public Instruction, Madras.

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Copy-2.

R.O.No.

College of Engineering, Guindy,  
dated 4th March 1946.

Sub:- Request for practical training facilities for the Telecommunication Engineering students of this college in the All India Radio.

I request that you may be pleased to address the authorities of the All India Radio, Broadcasting House, Parliament street, New Delhi; to ask if they will be so good as to assist the Telecommunication Engineering students of the college by providing them with practical training facilities during the summer vacations at their central and regional engineering establishments.

2. TELECOMMUNICATION ENGINEERING COURSE AT THIS COLLEGE. As you are aware, the degree course in Telecommunication Engineering was instituted at this college in July and a start has been made at the third year stage with 12 students to begin with. These will go to the fourth (and final) year in July 1946, when we may expect to have a total of 24 students. Provision is however, being made to accommodate upto a maximum of 36 students, 18 in the 3rd year and 18 in the fourth year.

3. PRACTICAL TRAINING ESSENTIAL: The college is doing what it can to provide the best possible theoretical and laboratory training. But this by itself is not enough. It must be supplemented by practical training and experience in commercial engineering works and organisations relating to telecommunication engineering such as the All India Radio. This is absolutely essential in order that the students may receive a well balanced training by acquiring a measure of engineering sense and appreciation of practical realities. Such experience no educational institution can give or is designed to give. Organisations, such as the All India Radio alone can give it.

4. SUMMER VACATION MOST SUITED FOR PRACTICAL TRAINING: The annual summer vacation is very well suited for the purpose. It is now wholly wasted in doing virtually nothing. As a holiday from work, three months are excessively long, particularly for students who pursue a professional course like engineering. It is wasteful both for them and for the country. It will be an all round gain if two out

P.T.O.



of three months could be spent in engineering works learning things and gaining experience that the college cannot give. The change of work and surroundings will in themselves be very beneficial and desirable. The remaining month is long enough for any normal young man as a holiday for rest and recuperation.

5. If this arrangement could be made effective for at least the 3rd and 4th years, each student will have the valuable benefit of a total of 4 to 5 months experience in engineering works during the period of his stay at the college.

6. Such a sandwich system if it can be so called, is nothing unusual. For example, in India, it has been in existence as an integral and therefore, obligatory part of the 3 years course of studies for the students of the Department of Electrical Technology of the Indian Institute of Science, Bangalore right from the time when the Institute was established over 35 years ago. Each student must put in a total of 32 weeks in the third year to qualify for the diploma. And the Institute authorities themselves make arrangements every year with a large number of engineering establishments all over the country, from Kashmir to Travancore and Karachi to Shillong.

7. ORGANISATIONS AVAILABLE FOR PRACTICAL TRAINING: The countries of Europe, North America, and Japan have highly advanced large scale electronic, radio, telegraph telephone and allied industries in which the young telecommunication engineering student can get first rate practical training in his subject. India is without any such industries and till they come into being hereafter, the broadcasting and telecommunication services in the country are the only means available whereby our students can obtain some measure of this much needed practical experience and training.

8. The Government of India through the All India Radio own and operate the broadcasting service in the country outside the Indian states as a monopoly. Centres of Engineering education of the university standard like this college therefore naturally look to the All India Radio to help their telecommunication students by providing them with practical training facilities at its various centres both at its headquarters at Delhi and in the provinces. As a matter of fact, it will be in the interests of the All India Radio itself to do so, as it is from amongst such telecommunication engineering graduates that it has recruited and will probably continue to recruit its staff of engineers year after year. And its annual in-take of such men will necessarily increase when its great schemes of post war expansion are put into execution.

9. PRESENT SITUATION: This request on behalf of the telecommunication engineering students is nothing unusual or out of the way. Mechanical and electrical engineering students enjoy extensive facilities for gaining practical experience, either during the summer vacations or after they complete their college studies, with a large number of railway workshops, mills, factories, electric power stations, transmission and distribution systems etc. The Madras Electricity Department has perhaps the best organised system of training in the whole country for electrical Engineering students.

10. Further, the all India Radio has had for some years a scheme according to which it gives at its headquarters at Delhi practical training for six months to one student a year nominated by each university. The present request, therefore, seeks an extension of this benefit to a larger number of students on the basis that it may be confined to telecommunication engineering students of the university standard taking the B.E. degree in the subject. For, these are the type of men who will be most valuable on the staff of the All India Radio, although in previous years, its authorities have had to take on graduates in applied physics for lack of the necessary number of men with a recognised engineering degree in telecommunication.

11. SUGGESTED METHOD OF ALLOCATING TRAINING FACILITIES: In case my proposal is found acceptable, I suggest for consideration that it should be given effect to on a quota basis at the All India Radio headquarters at Delhi and on a regional basis in the provinces. The All India Radio has excellent facilities at both Delhi and in the provinces for such training.

12. QUOTA BASIS AT HEADQUARTERS: The all India Radio has its central engineering establishments at Delhi. Apart from the medium wave regional transmitter, these include a number of short wave transmitters, a receiving centre the studio centre at Broadcasting House, and the research, development and installation departments.

13. For training at these establishments at Delhi, the students could be taken on a

a quota basis, two three or four telecommunication engineering students each from only those universities which have a separate engineering degree course in this subject. The actual number will have to be settled by the All India Radio authorities from time to time.

14. PRINCIPLE OF RESERVATION AT REGIONAL CENTRES: Here, the principle of giving the first option to the students of the region or province may be adopted. After their claims have been met, the vacant places, if any, could be offered to students of other province and regions. Such an arrangement will help to avoid uneven distribution of students at the various centres and permit some measure of intermixing of students from different parts of the country. In this province, for example, the All India Radio would, in the first instance, take telecommunication engineering students of the colleges in the provinces. In case however, there are any vacant places, these would be offered to students from other provinces.

15. In the Madras Presidency, the All India Radio has two broadcasting centres Madras and Trichinopoly. Madras has a studio centre at Egmore, a short wave transmitting centre at Guindy and a receiving centre at Ennore. If a batch of two students could be entertained at each of these three places in Madras, each batch could spend between two and three weeks at each place in rotation and cover a total of 2 or 3 months. Similarly another batch of 6 students could perhaps be accommodated at the corresponding centres at Trichinopoly. Between Madras and Trichinopoly, 12 students could, on this basis, be helped with summer vacation training.

16. When the service is extended, the same principle could be adopted at the new centres as well.

17. I venture to think that this proposal is worthy of consideration. It will be of invaluable assistance to the students, it will also be in the interests of the All India Radio and the country as it will help to extend and improve the quality and content of university education in telecommunication engineering. If my request is accepted, it will be a long step forward when every engineering organisation, State or Private, will look upon the organised training of engineers as an integral and obligatory part of its daily activities in the country and the State.

18. May I therefore request that my proposal may please be transmitted to Delhi with your strong support and recommendation.

I have the honour to be etc.  
SD/ K.S. Sitaraman,  
Professor-in-Charge.

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Copy-3-

College of Engineering, Guindy,  
dated 4th March 1946.

Sub:- Request for practical training facilities for the Telecommunication Engineering students of this college in the Posts and Telegraphs Department and the Indian Radio and Cable communications Coy.

I shall be very grateful if you will kindly address the Government of India Posts & Telegraph Department to help the Telecommunication Engineering students of this college by affording them practical training facilities during the summer vacations at the different central and regional engineering establishments of the Departments of Posts and Telegraphs and the Directorate of Civil Aviation, specially the former.



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2. TELECOMMUNICATION ENGINEERING COURSE AT THIS COLLEGE. As you are aware, the degree course in Telecommunication Engineering was instituted at this college last July and a start has been made at the third year state with 12 students to begin with. These will go to the fourth (and final) year in July 1946, when we may expect to have a total of 24 students. Provision is, however, being made to accommodate upto a maximum of 36 students, 18 in the 3rd year and 18 in the fourth year.

3. PRACTICAL TRAINING ESSENTIAL: The college is doing what it can to provide the best possible theoretical and laboratory training. But this by itself is not enough. It must be supplemented by practical training and experience in commercial engineering works and organisations relating to telecommunication engineering such as the Departments of Posts and Telegraphs and of Civil Aviation. This is absolutely essential in order that the students may receive a well balanced training by acquiring a measure of engineering sense and appreciation of practical realities. Such experience, no educational institution can give or is designed to give. Organisations such as the posts and Telegraphs Department alone can give it.

4. SUMMER VACATION MOST SUITED FOR PRACTICAL TRAINING: The annual summer vacation is very well suited for the purpose. It is now wholly wasted in doing virtually nothing. As a holiday from work, three months are excessively long, particularly for students who pursue a professional course like engineering. It is wasteful both for them and for the country. It will be an all round gain if two out of the three months could be spent in engineering works learning things and gaining experience that the College cannot give. The change of work and surroundings will in themselves be very beneficial and desirable. The remaining month is long enough for any normal young man as a holiday for rest and recuperation.

5. If this arrangement could be made effective for at least the 3rd and 4th years, each student will have the valuable benefit of a total of 4 to 5 months experience in engineering works during the period of his stay at the College.

6. Such a sandwich system, if it can be so called, is nothing unusual. For example, in India, it has been in existence as an integral and, therefore, obligatory part of the 3 years course of studies for the students of the Department of Electrical Technology of the Indian Institute of Science, Bangalore, right from the time when the Institute was established over 35 years ago. Each student must put in a total of 32 weeks of works training 8 weeks in the first, 12 weeks in the second and 12 weeks in the third year to qualify for the diploma. And the Institute authorities themselves make arrangements every year with a large number of engineering establishments all over the country, from Kashmir to Travancore and Karachi to Shillong.

7. ORGANISATIONS AVAILABLE FOR PRACTICAL TRAINING: The countries of Europe, North America and Japan have highly advanced large scale electronic, radio, telegraph, telephone and allied industries in which the young telecommunication engineering student can get first rate practical training in his subject. India is without any such industries and till they come into being in the coming years, the telecommunication services in the country are the only means whereby our students can obtain some measure of this much needed practical training and experience. These are (a) the Posts and Telegraphs Department, (b) the Directorate of Civil Aviation and (c) the Indian Radio and Cable communications Company.

8. It is understood that the Government of India will take over in the near future the Indian Radio and Cable communications Company with its establishments at Bombay, Poona and Dhane. When they do, the entire telecommunication system of the country, both internal and overseas, will be completely owned and operated by them as an undivided monopoly. The same is true of the whole of the communication system under the Directorate of Civil Aviation.

9. Under these circumstances, centres of Engineering education of the University standard like this college naturally look to the Government of India in the Department of posts and Air to help their telecommunication students by granting them with practical training facilities at the headquarters and regional centres of the Department of Posts and Telegraphs and of the Directorate of Civil Aviation. I venture to submit that this will be in the immediate and future interests of these departments to afford such facilities as it will be from amongst these telecommunication engineering graduates that they will no doubt recruit their respective staffs of Engineering - officers year after year. And as both the Department of Posts and Telegraphs and the Directorate of Civil Aviation have ambitious plans of post war expansion, their annual intake of graduates in telecommunication engineers may and perhaps will increase in the coming years.

10. PRESENT SITUATION: This request on behalf of the telecommunication engineering students is nothing unusual or out of the way. Mechanical and electrical engineering students enjoy extensive facilities for gaining practical experience either during the summer vacations or after they complete their college studies with a large number of railway workshops, mills, factories, electric power stations, transmission and distribution systems etc. ~~training~~ The Madras Electricity Department has perhaps the best organised system of training in the whole country for electrical engineering students.

11. The department of Posts and Telegraphs have, during the past 6 or 7 years taken two students from the Department of Electrical Technology of the Indian Institute of Science, Bangalore and two students of Applied Physics of the Calcutta University and given them training for a period extending upto six months at the office in Calcutta of the Electrical Engineer-in-Chief. Also, during the last 15 years or more, the Indian Radio and Cable communications Company (I.R.C.C.) have been taking annually during the summer vacations all the final year students of Telecommunication Engineering of the Institute of Science, Bangalore and giving them practical Training at their three centres in Bombay, Poona and Dhane. The number of students they have taken each year has varied from a minimum of 4 or 5 upto a maximum of 12. Till now the Indian Radio and Cable Communications Company have allowed these facilities only to the Indian Institute of Science, Bangalore.

12. My present request, therefore seeks for an extension of this benefit to a larger number of students uniformly over the whole country, on the basis that it may be confined to telecommunication engineering students of the University standard taking the B.E. degree in the subject. For it is this type of engineering students who will be most valuable to the telecommunication services and industry.

13. SUGGESTED METHOD OF ALLOCATING TRAINING FACILITIES: In case my proposal is found acceptable, I suggest for consideration that it may be ~~be~~ given effect to on a quota basis at the headquarters establishments, and on a regional basis in the Provinces. The Department of Posts and Telegraphs has excellent facilities for such training both at Delhi and Calcutta, and in the provinces. The Directorate of Civil Aviation has no doubt corresponding establishments.

14. QUOTA BASIS AT HEADQUARTERS: The Department of Posts and Telegraphs have a big telegraph factory at Calcutta manufacturing practically every instrument and appliance required for their telegraph services. I believe the scope of this factory and the facilities have been greatly extended during the war. At Calcutta is also situated the office of the Electrical Engineer-in-Chief responsible for all the technical work and activities of the Department. Perhaps Delhi forms another headquarters -- I do not quite know. At Bombay, they have another manufacturing establishment.

15. For training at the headquarters, the students could be taken on a quota basis, two three or four telecommunication engineering students each from only those universities which have a separate degree course in this subject. The actual number will have to be settled by the authorities of the Posts and Telegraphs Department from time to time.



16. PRINCIPLE OF RESERVATION AT REGIONAL CENTRES: Here the principle of giving the first option to the students of the region or province may be adopted. After their claim have been met, the vacant places, if any, could be offered to students of other provinces and regions. Such an arrangement will help to avoid uneven distribution of students at the various centres and permit some measure of intermixing of students from different parts of the country. In the Province, for example, the Posts and Telegraphs authorities and the Directorate of Civil Aviation would, in the first instance, take telecommunication engineering students of the colleges in the province. In case, however, there are any vacancies, these would be offered to students from other provinces.

17. In Madras City, I venture to think that six students could easily be accommodated by the Posts and Telegraphs Department alone, two at the Central Telegraph Office, two at the City Telephone Exchange and two at the radio stations. They would spend two to three weeks at each place in rotation and cover between 2 and 3 months in all. There are many of the important centres, in the Presidency each of which could take a few students, for example, vizagapatam, Guntur, Coimbatore, Bangalore, Trichinopoly etc.

18. I venture to think that my proposal is worthy of consideration. It will be invaluable to the students, it will be also in the interests of the Posts and Telegraphs Department and the Directorate of Civil Aviation, as it will help to improve and extend the quality and content of university education and telecommunication engineering. If my request can be granted, it will be an excellent step forward when every engineering organisation, State or Private, will look upon the organised training of apprentice engineers as an integral and obligatory part of its daily duties in the interests of the country and of the State.

19. May I therefore respectfully request that my proposal may please be transmitted to the Government of India with your strong support and recommendation.

I have the honour to be etc.  
Sd/- K.S. Sitaraman,  
Professor-in-Charge.

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(True copies)/

*[Signature]*

for Director of Public Instruction.

Eddy. 17-3.

*[Signature]*  
17/3.

Memo. No. 22456 A(4) - 1 Edm 2 8-4-47 EDPH(1)

Sub Engg. College, Cuddalore - practical Training facilities for the Electrical Communication Engg. students

From the DPE, No 77-K2 147 2 15-3-47

The DPE is requested to furnish a statement showing the financial commitment, if any, to the Govt on account of the proposals submitted in ~~Govt~~ in his letter cited, in case the Govt agree to the proposed arrangements.

To  
The DPE

*[Signature]*  
2-4-47

*[Signature]*  
7/4/47

*[Signature]*  
17/4/47



MEMO NO. 52456 A/47-1 Edn. dated 8-4-1947  
 From (Name) Sri D.S. Reddi, M.A.,  
 (Oxon), M.B.E.,  
 Designation Director of Public  
 Instruction,  
 Station Madras.  
 Enclosures 1  
 R.O.C. No. 77 K2/47 dated 3rd July 1947.  
 Sir, SUB:- College of Engineering, Guindy - Practical Training  
 facilities for the Electrical Communication  
 Engineering students.  
 REF:- Government Memo. 22456 A/47-1, Edn., dated 8-4-1947.  
 The Principal, College of Engineering, states that  
 there will be no financial commitments on account of the  
 proposal as to his knowledge the All-India Radio and the  
 posts and Telegraph Department do not charge any premia  
 for students under training.

C.F. 32 (a).

Department

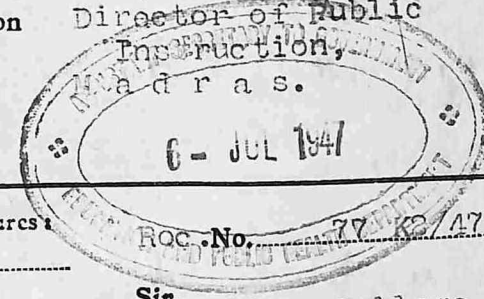
Received

Registered

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

To

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



Enclosures 1

R.O.C. No. 77 K2/47

dated 3rd July 1947.

Sir, SUB:- College of Engineering, Guindy - Practical Training  
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REF:- Government Memo. 22456 A/47-1, Edn., dated 8-4-1947.

The Principal, College of Engineering, states that  
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 proposal as to his knowledge the All-India Radio and the  
 posts and Telegraph Department do not charge any premia  
 for students under training.

for Director of Public Instruction

m.k.5/7.



E-P-H(A)

8

H/ 23/27

Letter No 22456-2/47 A Dated 21-7-47

To the Secretary to the Govt. of India,  
Information and Broadcasting Dept. (with encl)  
Communications Department (with encl)  
New Delhi.

x Copy of p/c of a/c  
g p 3-5 c.f. <sup>Dept. of</sup>  
+ Copy of p/c of a/c <sup>with encl</sup>  
g p 5-8 c.f. <sup>2/27/47</sup>  
Copy to the D.P.G. ✓

Sir,  
Sub: College - Engg., Quindry - Practical  
training facilities for the Electrical Commu-  
cation Engg. students in the All India Radio  
Posts & Telegraphs Dept. &  
the Directorate of Civil  
Aviation

I am to enclose herewith a copy  
of the letter fr on the D.P.I. to the Govt.  
No. 77-K<sub>2</sub>/47 dated 15.3.47, on the subject  
noted above, with copies of its enclosures,  
and to request that the Govt. of India  
will be so good as to direct that  
P.P.O.



facilities for practical training should be  
afforded to the <sup>students of the</sup> Engg. College, Guindy, Madras  
during the summer vacation in the central  
and regional centres <sup>wherever it is possible</sup> the ~~at Madras~~

All India Radio

The Posts and Telegraphs Dept. & the Directorate  
of Civil Aviation.

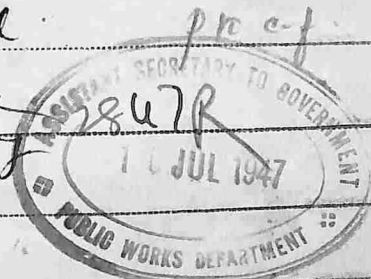
An early reply is requested.

6/7/47 <sup>10/7/47</sup> <sup>14/7/47</sup>

Note: The D.P.D. states that there is no financial  
commitment to this Govt. in the proposal. The  
drafts above may be issued after perusal by  
P.W.D.

6/7/47 <sup>10/7/47</sup> <sup>14/7/47</sup> <sup>15/7/47</sup> (P.W.)

P.H. u.o. 22456-2/47A  
dated 15-7-47



13  
P.W.D(R)

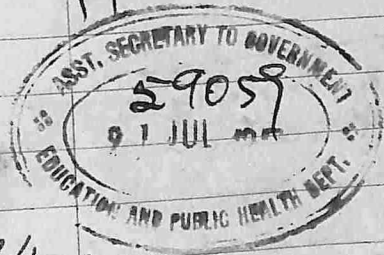
The draft letter to the Govt. of India on  
pts. 1-2 <sup>auth</sup> may be perused and the file  
returned to E.H. u.

Min.

17/7/47

12/7/47

P.W. u.o. 24478/47-1  
18-7-47



Mr. E.H. P.H.

28 sec  
11/7/47



E.P.H.(A)

Letter No. 22 456-4/47A Edu. dated 27-8-47.

To the Secretary to the Govt. of India,  
Information and Broadcasting Dept.  
Communications Department.

New Delhi. 10

Sir,  
Sub. College - Engg., Grindy - Practical  
training facilities for the Electrical  
Communication Engineering students in  
the All India Radio  
Posts and Telegraphs Dept. & the Directorate of  
Civil Aviation.

Ref: My letter No. 22456-3/47A Edu. d. 21.7.47.

I am to invite your attention  
to my letter read above and to request  
you to state when a reply may be expected  
in the matter.

Y. O. S.

6/26.8.47 10/26/8/47

Copy to D.P.G.

26/8

p 11-12 of.



27  
4/10

Copy to D.P.I.

Depo  
16/10

Letter No. 22456-5/47 A Dated 3-10-47

To the Secretary to the Govt. of India,  
Ministry of  
Information and Broadcasting Dept.  
Ministry of  
Communications Department.

New Delhi.

Sir,

Sub: College - Engg., Grindy - Practical training  
facilities for the Electrical Communication Engg.  
Students in the All India Radio

The Posts and Telegraphs Dept. & the Directorate of  
Civil Aviation.

Ref: My letter No. 22456-4/47 A Dated 27.8.47.

PH-12

good enough to request you to expedite  
your reply to my letter read above.  
dated 21.7.47. may be expected

6  
1.10.47

im  
31/10/47

208



No.K-415(28)/47.  
GOVERNMENT OF INDIA  
MINISTRY OF INFORMATION & BROADCASTING.

NEW DELHI, the 3rd October, 1947.

From

H.P. Kaul, Esq.,  
Assistant Secretary to the Govt. of India.

To

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



SUBJECT:- College-Engineering, Guindy-Practical training  
facilities for the Electrical Communication  
Engineering students in the All India Radio.

Sir,

With reference to your letter No.22456-3/47-A  
Education, dated the 21st July, 1947, on the subject  
mentioned above, I am directed to say that the Government  
of India regret their inability to accept the proposal  
of the Provincial Government as they have no facilities  
to train students in the tele-communication Engineering  
in the All India Radio.

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

*H.P. Kaul*  
Assistant Secretary to the Govt. of India.

SBS.



MINISTRY OF INFORMATION & PUBLIC RELATIONS  
GOVERNMENT OF INDIA  
NEW DELHI, the 2nd October, 1947.

To  
The Secretary to the Government of India,  
Ministry of Information & Public Relations,  
New Delhi.

From  
The Secretary to the Government of India,  
Ministry of Information & Public Relations,  
New Delhi.



Reference is made to the letter from the Ministry of Education, dated the 27th July, 1947, on the subject mentioned above. I am pleased to say that the Government of India have agreed to consider the proposal of the Ministry of Education to the effect that facilities for training students in the All India Radio.

With reference to the letter from the Ministry of Education, dated the 27th July, 1947, on the subject mentioned above, I am pleased to say that the Government of India have agreed to consider the proposal of the Ministry of Education to the effect that facilities for training students in the All India Radio.

With reference to the letter from the Ministry of Education, dated the 27th July, 1947, on the subject mentioned above, I am pleased to say that the Government of India have agreed to consider the proposal of the Ministry of Education to the effect that facilities for training students in the All India Radio.

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u 7/10  
14/10

13  
17 E.P.R.(A)  
Memo. No. 22456-6/47 dated 11-10-47.

Sub-college - Engg., Grindy - Practical training facilities for the Electrical Comm. Engg. Students in the All India Radio.

plb.c.f. c.no. 7964372 on the G.G.I., Ministry of Infn. & Broadcasting No. K-415(28)/47 dated 3-10-47.

plb.c.f.

To the D.P.G.  
(with copy of plb.c.f.)  
8.10.47

A copy of the letter from the Ministry of Infn. & Broadcasting of the G.G.I. read above is communicated to the D.P.G.

AM 9/10/47 / S 11/10/47

Note: The letter from the G.G.I., Ministry of Infn. & Broadcasting on plb.c.f. may be perused. A copy thereof may be communicated to the D.P.G. A draft above is for approval.

\* Last recommended on 3-10-47

The reply from the G.G.I., Ministry of Infn. & Broadcasting to the letter on plb.c.f. may be awaited.  
AM 9/10/47



$\frac{1}{2} \sqrt{2}$

pu-120f

7. 2. 13



1947.5  
[Faint handwritten text, possibly a letter or report, mostly illegible due to fading and bleed-through.]

[Faint handwritten text, possibly a letter or report, mostly illegible due to fading and bleed-through.]

20 E.P.A. (A)

Letter No. 22456-8/47 A Edm. dated 20-1-48.

To the Secy. to the G. of I.,  
Ministry of Communications.

18  
15  
H. 7  
20/11  
21-11-48  
17-1-48

Sir,

Sub: College Engg., Grindy - Practical training  
facilities for the Electrical Communication Engg.  
Students in Post and Telegraph Dept. and the  
Directorate of Civil Aviation.

Ref: My letter No. 22456-7/47 A Edm. d. 16-11-47.

I am to request you to  
expedite your reply to my letter No. 22456-3/47 A  
Edm. d. 21-7-47. on the subject noted above.

[Signatures]



15-9-47  
1-13 89845 on mf

6741  $\frac{6741}{11}$  6121  $\frac{6121}{11}$

Large  
E. I

~~$$\frac{1287}{11} = 117$$~~

~~The gift reported on previous has not been received in my a/c.~~

~~The file referred to on p 2 above has been returned to EOPH Deptt, with this Department no. 59497 81-1D) 10-9-47~~  
~~This may be sent to EOPH in confirmation~~

~~#1203~~

41

$\Sigma.P.H.(A)$

Letter No. 22456-9/47A Edn. dated 27-2-48  
To the Secy. to the Govt. of India,  
Ministry of Communications.

Sir,  
Sub. Engg. college, Grindy - Practical trig.  
facilities for the Electrical communication  
Engg. Students in Bet and Telegraph Dept. and  
the Directorate of civil Aviation.

Ref: May letter No. 22456-8/17A Edn. d. 20.1.48

I am to request you to expedite your reply to my letter No. 224563/7A (edu, d-21.7.67), on the subject noted above.

6  
75.2.18  
25/10/18

26/2/18



for accommodation in regard to these students.  
 It may however be noted that a building known  
 as "Kath Lodge" in San Thome belonging to Rev. Fr. John  
 has been taken over and a hostel for the city  
 college students has been opened there from 1-9-48.  
 The Fr. building "Mount Road" has just been  
 allotted by the college to the college for purposes  
 of a hostel.  
 The only outstanding request  
 for accommodation is for the students of the college  
 for the purpose of a hostel.  
 The college is concerned in that request in  
 para 2 of the u.o. vide at E/4. But this request  
 is of a very recent date, whereas applications in  
 re: to nos. 14 and 23 on plate have been made  
 long before.

papers put up  
 in another file  
 file under  
 plate  
 plate  
 10/1  
 19/4

Reply recd from  
 10/1  
 19/4

p 22c 8.  
 p 11-12c 8.

E.P.H. (A)

Letter No. 22456-10/47A Eden dated 13-4-48.

To the Secy. to the Govt. of India,  
 Ministry of Communications.

Sir,  
 Sub: Engg. college, Grindy - Practical Engg.  
 facilities for the Electrical Communication Engg.  
 students in Posts and Telegraph Dept. and the  
 Directorate of Civil Aviation.

Ref: My letter No. 22456-9/47A Eden. d. 27-2-48.

I am to request you to say  
 when a reply may be expected to my  
 letter No. 22456-3/47A Eden. d. 21-7-47, on the  
 subject noted above.

15-4-48  
 16/4/48

17/4/48



No.33-G(10)/47.  
GOVERNMENT OF INDIA.  
MINISTRY OF COMMUNICATIONS.

From

V.K. Menon, Esquire,  
Assistant Secretary to the Govt. of India.

To

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

Dated New Delhi; (3) the 14th April, 1948.

Subject: - Provision of practical training  
facilities to Engineering students  
in the Posts & Telegraphs and the  
Civil Aviation Departments.

Sir,

I am directed to refer to your  
letter No.22456-9/47 A.Edn. dated the 27th  
February 1948 on the subject noted above and to  
say that the matter is still under consideration.  
A reply will be sent shortly.

I have the honour to be,  
Sir,

Your most obedient servant,

(V.K. Menon)

Assistant Secretary to the Government of India.

RISHI/14.4.48.

(c) Whether the Selection Committee was

(c) The Committee was to see that the

two non-officials, viz.,

(1) Sri N. Somasundaram, Advocate,  
Gangal Road, Egmore, Madras.

(2) Sri S.B.P. Pattabhi Rama Rao,  
Zamindar of Kapileswarapuram,  
Luz Church Road, Mylapore, Madras.

Principals of the Engg. Colleges and

members of the Committee were the

(b) If the answer to (a) is in the affirmative, (b) For the academic year 1947-48, the

the Engineering Colleges;

(a) Whether a Selection Committee was con-

stituted for selecting candidates for admission to

Education be pleased to state:-

\* Q.-No. 112 Will the Hon'ble the Minister for

Education and Public Health Department.

SRO R. SURYANARAYANA RAO, M.L.C.

15-7-1947.

SECRETARIAT OF THE MADRAS LEGISLATURE

Council Section

E.P.H. Deptt. (A)

STARRED

15-7-1947.

SECRETARIAT OF THE MADRAS LEGISLATURE

Council Section

E.P.H. Deptt. (A)



28  
21 MAY 1948  
SECRETARY TO GOVERNMENT  
EDUCATION AND PUBLIC HEALTH DEPT.

To

The Postmaster-General,  
Madras Circle, Madras.

No. SB.179-1/47 Dated New Delhi, the 20th May 1948.

Subject:- Practical training of Telecommunication Engineering students in the P. & T. Department during summer vacations.

The Government of India have been pleased to decide to give facilities for the practical training of the Third Year students of the Telecommunication Degree Course conducted by the Engineering College, Guindy, (Madras). The training will be given during the vacation months of the College extending to roughly 9 weeks. The courses of training during the period are as follows:-

39029

| Courses of training.                                          | Period of training. |
|---------------------------------------------------------------|---------------------|
| (i) Baudot and Teleprinter & other Telegraph systems ..       | 2 weeks.            |
| (ii) Manual & Auto Exchanges ..                               | 3 "                 |
| (iii) Trunk Exchanges, Carrier Telephone & V.F.T. Systems. .. | 3 "                 |
| (iv) Line construction and maintenance practice. ..           | 1 "                 |

The training in (i) Baudot & Teleprinter etc., will be given by the Deputy Assistant Electrical Engineer in charge, C.T.O., Madras, and (ii) Manual & Auto Exchange demonstration will be arranged for by the District Manager, Telephones, Madras. Telephone District. Training in (iii) & (iv) Trunk Exchanges, Carrier and V.F.T. Systems and Line construction and maintenance practices etc., will be arranged for by the Regional Engineer (Maintenance) Mambalam. It will be convenient if the students are split up into 3 batches so that the courses in (i), (ii) and (iii) & (iv) will be arranged for without any over-crowding at each station. The number of students that will be sent up for this training should be obtained from the Principal, College of Engineering, Guindy, Madras. It is understood that about 18 students may be sent up for training in the first instance.

2. In undertaking to give these facilities for practical training to the students of the Engineering College at Guindy, it is to be clearly understood that the Department cannot entail any additional expenditure on account of this training, nor will it be possible for the Department to get their officers to spare much of their time to look after these students. The College authorities will have to make such arrangements as may be necessary for conducting these students during the practical courses and to ensure that the students do not cause any damage to communication equipment or dislocation to service. It should also be clearly understood that if on any future date it becomes necessary for the Department to employ extra staff in order to give such practical training, the additional cost thus involved will have to be borne by the Provincial Government.

3. You are therefore requested to make all arrangements by instructing the Chief Superintendent, C.T.O. Madras, to give the training facilities commencing from the College vacation for the current year.

Sd/- (B. R. Batra)  
CHIEF ENGINEER.



(From prepage)

No. SB.179-1/47

Copy to:-

- (1) The District Manager, Telephones, Madras Telephone District, Madras, for information. He will kindly take necessary action to afford practical training facilities as far as can be conveniently managed for the trainees from the Guindy College. It is anticipated that there would not be any serious difficulty because this course is purely of a practical nature and it is not proposed to devote much of the time and energy of the P; & T. Engineers for this purpose. The students will spend some days in each of the Auto Exchanges at Madras, learn the circuit diagrams themselves and watch the systems working. They may be dispersed over two or three exchanges in Madras to suit convenience.
- (2) The Secretary, Education, Public Health Department, Govt. of Madras, for information. This has a reference to his letter No. 22456-3/47-Education, dated the 21st July 1947. It is hoped that the courses arranged for will be found to be useful. Details of further modifications to these courses and the question as to whether separate staff for such purposes can be ear-marked by this Department at the cost of Madras Government will be examined after the training of the first batch of students this year is finished.
- (3) The Principal, The College of Engineering, Guindy, Madras, for information. He will please contact the Postmaster-General, Madras, early in order that courses for the current year may be arranged for during the ensuing vacation.
- (4) The Divisional Engineer, Telegraphs, Training Centre, Jubbulpore, for information.

New Delhi,  
20th May 1948.

Deputy Chief Engineer (Maintenance).

21/5/48



48602

72  
31/5

28-300

C. no. 39029 from the C.E., P.T. Directorate No. S.B. 171/47 dated 20-5-48.

bird

To the D.P.G.

With copy of p 28-300 f.)  
5/6/48

vide p 260 f.

32  
E.P.H. (A)  
Memo. No. 22456-11/47 A Edn dated 31-5-48.  
Sub: College - Engg., Guindy - Practical Trg.  
facilities for the Electrical Commn. Engg. students  
in the P.T. Dept. of the G. of I.

2)

A copy of the letter of  
the C.E., P.T. Directorate, read above,  
addressed to the P.M.G., Madras circle,  
Madras, is communicated to the D.P.G.

6  
28.5.48/10/28/5/48

OSM  
30/5/48

Note: A reply from the G. of I., Ministry of Commns.  
to the letter on p 11-12 c. f. may be awaited.

6  
28.5.48/10/28/5/48

OSM  
30/5/48



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33  
 -C.P.H.(M)  
 Letter No. 22456-12/47A Edn dated 29-9-48.

25/9  
 29/9  
 To  
 The Secy. to the Govt. of India,  
 Ministry of Communications,  
 New Delhi.

Sir,  
 Sub: College - Engg, Grindy - Practical  
 tag. facilities for the Electrical Commu  
 Engg. students in the P & T. Dept. & The  
 Directorate of Civil Aviation.

Ref: My letter No. 22456-3/47A Edn. d. 21/7/47  
 & your No. 33-8(10)/47 d. 14.4.48.

I am to enquire when a  
 reply may be expected.  
 Yours faithfully,

27.9.48  
 28/9/48  
 28/9/48



INDIAN POSTS AND TELEGRAPHS DEPARTMENT.

From

The Director-General of Posts and Telegraphs,  
NEW DELHI.

To

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

No.SB.179-1/47. Dated New Delhi, the November, 1948.

Subject:- Practical training of the students of Tele-  
communication Engineering, College of Engi-  
neering, Guindy, Madras in the P. & T. Depart-  
ment during summer vacations.

Sir,

With reference to your letter No.22456-12/47-A  
Education, dated 29.9.1948, addressed to the Secretary  
to the Government of India, Ministry of Communications  
New Delhi, I am directed to inform you that so far as  
this Department is concerned, necessary facilities for  
the practical training of the students of the college  
of Engineering Guindy, in telecommunication technique  
in the P. & T. institutions were duly afforded in this  
office endorsement No.SB 179-1/47 dated the 20-5-1948,  
a copy of which is enclosed for ready reference. I am  
to add that the Principal College of Engineering Guindy  
has in his letter dated the 3rd June 1948 accepted the  
conditions attaching to the grant of this facility and  
expressed the desire to send his students for practical  
training in the Department during the next summer vaca-  
tions.

Yours faithfully,

*S.K. Kanjilal*

(S.K. Kanjilal)

DEPUTY CHIEF ENGINEER, MAINTENANCE.

9/11/48.

D.A. ONE.

A.Singh.  
9/11.



*Same as 28/5/48 37*

Copy of letter No. SB. 179-1/47 dated 20-5-1948, from the Director-General of Posts and Telegraphs New Delhi, to the Postmaster General Madras Circle, Madras.

Subject:- Practical training of Telecommunication Engineering students in the P. & T. Department during the summer vacations.

The Government of India have been pleased to decide to give facilities for the practical training of the Third year students of the Telecommunications Degree Course conducted by the Engineering College, Guindy, (Madras). The training will be given during the vacation months of the College extending to roughly 9 weeks. The courses of training during the period are as follows:-

| <u>Courses of training.</u>                                  | <u>Period of training.</u> |
|--------------------------------------------------------------|----------------------------|
| (i) Baudot and Teleprinter & other Telegraph systems ..      | 2 weeks.                   |
| (ii) Manual & Auto Exchanges ..                              | 3 weeks.                   |
| (iii) Trunk Exchanges, Carrier Telephone & V.F.T. Systems .. | 3 weeks.                   |
| (iv) Line construction and maintenance practices. ..         | 1 week.                    |

The training in (i) Baudot & Teleprinter etc., will be given by the D.A.E.E. in-Charge, CTO, Madras, and (ii) Manual and Auto Exchange demonstration will be arranged for by the District Manager, Telephones, Madras Telephone District. Training in (iii) & (iv) Trunk Exchanges, Carrier & V.F.T. Systems and line construction and maintenance practices etc., will be arranged for by the Regional Engineer (Maintenance) Mambalam. It will be convenient if the students are split up into 3 batches so that the courses in (i), (ii) and (iii) & (iv) will be better arranged for without any over crowding at each station. The number of students that will be sent up for this training should be obtained from the Principal, College of Engineering, Guindy, Madras. It is understood that about 18 students may be sent up for training in the first instance.

2. In undertaking to give these facilities for practical training to the students of the Engineering College at Guindy, it is to be clearly understood that the Department cannot ~~be~~ entail any additional expenditure on account of this training, nor will it be possible for the Department to get their officers to spare much of their time to look after these students. The college authorities will have to make such arrangements as may be necessary for conducting these students during the practical courses and to ensure that the students do not cause any damage to communication equipment or dislocation to service. It should also be clearly understood that if on any future date it will become necessary for the Department to employ extra staff in order to give such practical training, the additional cost thus involved will have to be borne by the Provincial Govt.

3. You are therefore requested to make all arrangements by instructing the Chief Superintendent, C.T.O. Madras, to give the training facilities commencing from the College vacations for the current year.

Sd/- B.R. Batra  
Chief Engineer. P.T.O.



Copy to:-

- (1) The District Manager, Telephone, Madras Telephone District, Madras, for information. He will kindly take necessary action to afford practical training facilities as far as can be conveniently managed for the trainees from the Guindy College. It is anticipated that there would not be any serious difficulty because this course is purely of a practical nature and it is not proposed to devote much of the time and energy of the P. & T. Engineers for this purpose. The students will spend some days in each of the Auto Exchanges at Madras, learn the circuit diagrams themselves and watch the systems working. They may be dispersed over two or three exchanges in Madras to suit your convenience.
- (2) The Secretary, Education & Public Health Department, Government of Madras, for information. This has a reference to his letter No. 22456-3/47-Education, dated the 21st July 1947. It is hoped that the courses arranged for will be found to be useful. Details of further modifications to these courses and the question as to whether separate staff for such purposes can be earmarked by this Department at the cost of Madras Govt. will be examined after the training of the first batch of students this year is finished.
- (3) The Principal, The College of Engineering, Guindy, Madras, for information. He will please contact the Postmaster-General, Madras, early in order that courses for the current year may be arranged for during the ensuing vacation.
- (4) The Divisional Engineer, Telegraphs, Training Centre, Jubbulpore, for information,
- (5) The Regional Engineer Maintenance, Madras.

NEW DELHI.

24th May 1948.

'St.M.'  
9.11.48.

Sd/- S. K. Kanizhal

Deputy Chief Engineer (Mtce.)



(x).

46  
12/11

Copy to the D-19.  
(with copy of p. 35 c. 1)

228

p 11-12 of  
p 26 of  
p 28 & 25

wide pH-12 cf.

41  
-2.8.4. (A)

Letter No. 22456-13/47A Edn date 218-11-08.

To  
The Secretary to the G. I. D.,  
Ministry of Communications,  
New Delhi

Sir,  
26  
Sub: college - Engg., Guindy - Practical  
Trg. facilities for the Electrical Commn.  
Engg. Students in the P. & T. Dept. & the  
Directorate of Civil Aviation.  
Ref: My letter No. 224576-3/47 A Edn. d. 21.7.47  
your No. 33-2(10)/47 & 14.4.48  
From the Dr. General of P. & T., New Delhi.  
No. SB 179-1/47 d. 20.5.48 & 9-11-48.

I am to enquire <sup>whether</sup> ~~which~~  
a decision has been reached by the G. of G.  
in the matter of affording facilities to the  
~~F&E~~ Electrical Comm. Tengg. students of the Tengg.  
P.T.E.



College, Guindy, for their practical Trg. in the  
Central and regional engg. establishments  
of the Directorate of Civil Aviation. and, if so,  
to request ~~to be intimated~~ that this Govt. maybe  
intimated of the fact.

yours faithfully

6/12/48

DM  
18/11/48

No.33-G(10)/47.  
GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS.

43

From  
P.K.Samal, Esqr.,  
Assistant Secretary to the Government of India.



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

29:7 Subject:- College - Engineering, Guindy-Practical  
Training facilities for Electrical  
Communication Engineering.

Sir,

27

PH-42  
ante

I am directed to refer to your letter  
No.22456-13/47A Edn. dated 18th November 1948  
and to say that the question of providing  
practical training facilities to engineering  
students in the engineering establishments of the  
Directorate General of Civil Aviation is still  
under consideration. A further communication  
will follow as soon as a decision is taken.

Yours faithfully,

P.K. Samal

(P.K.Samal)  
Assistant Secretary to the Government  
of India.

E.P.H.(A)  
Ref. of G. may be  
reminded again on  
25.2.49, if necessary.  
6/18-1-49 DM 19/11/48

OSB.  
11/1.



64

(A) 1195  
[unclear]  
[unclear]  
[unclear]  
[unclear]

43  
-2.A.H.(A)

Letter No. 22456-14/47A dated 4-3-49.

To  
The Secy. to the Govt. of India,  
Ministry of Commn., New Delhi.

Sir,  
Sub: college - Engg, Jind - Practical trig.  
facilities for electrical Commn. Engg. students  
Ref: Govt No. 33-2(10)/47 d. 11.1.49.

I am to enquire when the  
further Commn. promised in your letter  
read above may be expected.

6  
3.3.49

DDM  
6/3/49

48  
5/7  
Dns  
228  
7/7/49



GOVERNMENT OF INDIA.  
MINISTRY OF COMMUNICATIONS.  
Department of Posts & Air.

Communications should be addressed to the Secretary to the Government of India, Department of Communications, by title, NOT by name.

Telegrams :  
"POSTAIR."

*dated new Delhi, April, 16, 1949.*

From

P.K. Samal, Esq.,  
Assistant Secretary to the Government of India.

To

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

Subject:- Training facilities to Engineering students  
at Government Institutions.

Sor,

With reference to the correspondence resting with your letter No.22456-14/47.A. Edn., dated the 4th March, 1949, I am directed to say that the Government of India have recently agreed to five, III year engineering students of the Engineering College, Guindy, being given practical training for a period of two months from about the 15th April, in the aeronautical communication stations of the Civil Aviation Department at Madras and Bombay. The Principal of the Engineering College may be asked to address the Director General of Civil Aviation in India for further details. *29*

Yours faithfully,

*P.K. Samal*

(P.K. Samal)

Assistant Secretary to the Government of India.

*2.P.H.(A)*

Sharma:  
14.4.49.

*Enclt. No. 22456-15/47A Edn. dated 19-4-49.*

Communicated to the D.P.I. The Director is requested to take necessary further action in the matter.

To the D.P.I.  
(with copy of letter)

Abstract

colleges - Engg. College

Practical Engg.

Technical Engg.

Engg. students

Engg. students

Note: After issue, the papers may be recorded

*18-4-49*

*18-4-49*

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46

Back number, May 18, 1947.

(A) 195

Letter No. 11/1/47 dated 11-1-47  
is requested to be communicated to the D. P. R. as  
action in the matter.

To be done by 11/1/47

Mr. H. J. Jones, the person who has