Sectt. II-27—20,006—16-11-40

(194) Department.

Ms. SERIES.

G.O. No. 2286 Edn.,

Dated 11 9 1948

[Despatch Abstract.]

M. E. S. — Mr. P. E. John & Sri J. Raja Rao, temply. Lab. Asstts. — Appted. temporarily as Lrs. in Surveying & Drawing

Back papers.

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

Further papers.

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

Copy of letter from the Principal, College of Engineering, Guindy Rc No. 159 B/48 dated 19th May 1948 to the Secretary to Government Education and Public Health Department.

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Sub: Public Health Engineering - Institution Course in the College of Engineering, Guindy.
Edn.

Ref: Your Memorandum No.29387-A/1/48/dated 1-5-48.

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The course in Public Health Engineering cannot be started at the third year stage by taking, as suggested in your memorandum, students who have completed two years of study at the College. This is because the course in Public Health Engineering Branch in the first two years is different to the first two years course common to the existing branches, namely, Civil, Mechanical, Electrical, Telecommunication and Highways. A reference to paras 10(a) and 10(b) of the report of the Sub Committee of the Public Health Engineering Education Committee will show the difference between the first two years course in Public Health Engineering and that for other branches of engineering. The reason which made this necessary are outlined in paras 6 to 8 of the report.

2. Another reason why the course in Public Health Engineering cannot be started at the third year stage in July 1948 is lack of qualified staff recommended by the Sub Committee and the main Committee.

3. The course can only be started from the first year stage. As will be seen from the report of the Sub-Committee, no additional staff is required for this course in the first year and no public health engineering staff is required in the second year. Only the staff of the Civil Engineering Department of the College will have to be increased slightly to cope with the second year class. Public Health Engineering staff is only required from the third year and I request that steps suggested by the Sub Committee may be taken to create the staff.

4. In para 14 of its report, the Sub Committee has pointed out that although Sanitary Engineering is taught as a part of the Civil Engineering course which all the colleges have, none of the colleges has staff with special knowledge of Sanitary Engineering. The Sub-Committee has recommended that suitable men should be deputed to the All India Institute of Hygiene, Calcutta, for a post graduate course in Public Health Engineering.

5. To implement the recommendation of the Sub Committee referred to in the preceding para, and also to create a nucleus of staff for the Public Health Engineering course, I suggest that the two Government scholars, Messrs K. Balasubramaniam and T.K. George, who have just returned from the U.K. after taking the M.Sc. degree in Sanitary Engineering from Manchester University, may be appointed as Instructors in Sanitary Engineering, one at the College of Engineering, Guindy, and the other at the Arthur Hope College of Engi Technology, Coimbatore. The Colleges at Cocanada and Anantapur do not need Instructors in Sanitary Engineering at present as this subject is taught in the 4th year and these colleges have only Ist, 2nd and 3rd year classes.

6. Messrs Balasubramaniam and George were sent for advanced training by the P.W.D. I am informed by the Sanitary Engineer to the Government and Mr. Georey, Joint Secretary to the Government, Education and Public Health Department, that at present there are no suitable jobs for them in the Sanitary Engineering Department, and they shall be glad if they are absorbed in the Engineering Colleges.

7. The post of Instructor in Sanitary Engineering is a new post, and if its creation is going to take a considerable time, I suggest, that as a temporary measure Messrs. Balsubramaniam and George may be appointed as Instructors in Surveying and Drawing at the Guindy college and the Coimbatore College. The post of Instructor in Surveying and Drawing at the Guindy College is vacant

as the refugee officer who has been appointed to the post has not joined yet. The post of Instructor in Surveying and Drawing at the Arthur Hope College of Technology is held by an officer borrowed from the P.W.D. and he can be reverted to the P.W.D.

8. Although Messrs. Balasubramaniam and George do not possess the prescribed qualifications for Instructor in Surveying and Drawing they are qualified Civil Engineers and can discharge the duties of an Instructor in surveying and Drawing satisfactorily, especially as they have a very good academic record in the College. When employed as Instructors in Surveying and Drawing, they will be able to take some lectures in Sanitary Engineering so that their special training in Sanitary Engineering would be utilised.

9. The report of the Public Health Engineering Education Committee sent with your memorandum is returned herewith.

/True copy/

- 43271

D.O.

College of Engineering, Guindy,
Madras-15. Dated: 10-6-48.

Dear Sir:

With reference to the employment of Messrs.George and Balasubramanian in this College as Instructors, as explained over the telephone, the question of opening a special course in Public Health Engineering is being considered by the Standing Advisory Board for Technical Education at its meeting on the 15th inst. The intention seems to be to open this course during the next academic year in July 1948. There might be some delay on the part of the Government due to financial aspect of the course. It is, however, possible to start this course provided Government are willing to push this scheme through. I have contacted Mr. George and told him to wait for a few weeks till this question is settled and I have asked him to carry the same information to Mr.Balasubramanian. In the meantime, if the posts of Instructor in Surveying and Drawing and Instructor in Civil Engineering are being advertised by the Public Service Commission, I have instructed them to apply for the same, as according to the rules, they are eligible for appointment to these posts. This would ensure that they are at least available in the college when the course in Public Health Engineering is started.

I find from the file left by Dr.Rudra, that in paras 6, 7 and 8 of his letter Rc.No.1-159 B/48 dated 19th May 1948 to the Secretary to Government, Education and Public Health Department, a copy of which was sent to you, he has suggested the method of employment of Messrs.George and Balasubramanian so that their services will be available in the Education Department.

I am returning herewith the employment forms in respect of the two scholars which you have sent to Dr.Rudra.

Yours sincerely,

10/6/48

C.O.Coorey Esqr., M.B.E., I.C.S.,
Joint Secretary to Government,
Education and Public Health Department,
Fort St.George,
MADRAS.

Encl. Employment forms.

Confidential.

From

Sri D.S. Reddi, M.A.(Oxon.)
Director of Public Instruction, M a d r a s.

To

The Secretary to Government,
Education and Public Health Department.

R.Cl. No.45/48 dated 7th July 1948.

S i r,

Sub: Madras Edl. Service - Instructors in Surveying and Drawing - Colleges of Engineering - Vacancies - Proposals for filling.

Ref: Govt. Memorandum No.41295 A.1 Edn., dated 15th June 1948.

I agree with the remarks contained in paragraphs 5 to 8 of the letter No.159 B/48 dated 19-5-1948 from the Principal, College of Engineering, Guindy, addressed to the Joint Secretary to Government in the Education and Public Health Department, Madras. Accordingly I submit the following proposals for the temporary employment of Messrs. K. Balasubramaniam and T.K.George, the two overseas-returned scholars, as Instructors in Surveying and Drawing in the Madras Edl. Service till new posts of Instructor in Sanitary Engineering are created.

2. The post of Instructor in Surveying and Drawing, College of Engineering, Guindy, is vacant from 10th January 1948. Sri N. Muthukrishnan, an Assistant Engineer in the Public Works Dept., is officiating as Instructor in Surveying and Drawing, Arthur Hope College of Technology, Coimbatore under emergency provisions, with effect from 5th November 1947. Government have already been addressed to sanction the creation of a post of Instructor in

p.t.o.

(6) Edn. and P.H. Dept.(A). 8

CONFDL.
MEMO.No. 41295 A-3, dated 10-8-48

M.E.S. - Posts of Instructors in Surveying and Drawing - Appts.

Ref:- From the D.P.I., No. 45/48, 4-7-48.

The question of absorbing Sri K.Balasubramanyam and Mr.T.K.George, overseas scholars, in the Munl. Engg. Dept., is being examined separately. Pending a decision on that question, the Govt. do not propose to take up for consideration the suggestion for the appt. of the scholars in the Edn. Dept. as tempy. Instructors in Surveying and Drawing in the Engg. Colleges.

2. In his letter No.45/48, d/- 3-7-48, the D.P.I. has reported that Sri J. K.Raja Rao does not possess the prescribed period of prac. expce.

9

-2-

r appt. as Instr. in Surveying and Drawing. It has
een suggested that as already the Engg. colleges are
xxxxx staffed mostly by men without real expce., in future
nly candidates who possess the prescribed prac. expce. shd.
e apptd. The D.P.I. is requested to reconsider his recom-
endation in xxxx the light of this suggestion and send a further
eport.

9/8/48

To the D.P.I.

Confidential.

(1) 10

From

The Director of Public Instruction, M a d r a s.

To

The Secretary to Government,
Education and Public Health Department.

R.Cl. No.45/48 dated 30th August 1948.

S i r,

Sub: MADRAS EDL. SERVICE - Posts of Instructors in Civil Engineering and in Surveying & Drawing - Appointments.

Ref: Govt. confidential Memo No.41295 A.3 Edn., dated 10th August 1948.

64731

With reference to paragraph 2 of the Memorandum cited above, I have the honour to state that the following are the Laboratory Assistants in the Madras Edl. Subordinate Service, who can be considered for temporary appointment as Instructors in Civil Engineering or in Surveying & Drawing in the Madras Educational Service:-

(1) Mr. P.E. John: B.E.(Civil)(I Class) - Laboratory Asst. Strength of Materials Laboratory, Guindy -(Offg. under emergency provisions from 23-8-46).

(2) Sri B. Ramakrishna Rao: B.E. (Civil & Highways) - Laboratory Asst., Roads Laboratory, Guindy (Offg. under emergency provisions from 30-1-47). Has one year's previous experience in the P.W.D.

(3) Sri J. Raja Rao: B.E.(Civil)(I Class) - Laboratory Asst., Strength of Materials Laboratory, Anantapur College of Engineering (Offg. under emergency provisions from 27-7-1947).

B Although it is desirable that the colleges of Engineering should be staffed by persons possessing the prescribed practical experience, in view of the paucity of such persons for appointment as Instructors, persons without such experience have to be considered for temporary appointment provided they can be considered otherwise suitable to hold the posts of Instructors. I may point out that Sri J. Raja Rao is a First Class B.E. degree holder and belongs to the Scheduled Caste. Besides, Dr. J.J. Rudra, the present Professor-in-charge of the College of Engineering, Anantapur, (viz., Major B.H. Marley) has also strongly recommended Mr. Raja Rao's appointment to a higher post. In the above circumstances,

C I request that the Government may be pleased to appoint Sri Raja Rao as Instructor in Surveying and Drawing, College of Engineering, Anantapur, under emergency provisions, as already recommended.

(Dept) 2. The following posts of Instructors in the Civil Engineering of the Colleges of Engineering have to be filled:-

(i) Instructor in Surveying and Drawing, College of Engineering, Guindy.
(ii) Instructor in Civil Engineering, College of Engineering, Anantapur, (Vacant consequent on the promotion of Sri V. Kalyanaraman as Professor of Civil Engineering).

D (i) Of the three Laboratory Assistants mentioned in paragraph 1 above, Mr. P.E. John is a First Class B.E. degree holder with teaching and Laboratory experience for two years. The Principal, College of Engineering, Guindy, considers him fit for promotion to a higher post. I recommend that he may be appointed to officiate as Instructor in Surveying and Drawing, College of Engineering, Guindy, in the Madras Edl. Service, under rule 9(a)(i) of the General Rules for the Madras Provincial and Subordinate Services.

p.t.o.

11

(ii) As regards filling the post of Instructor in Civil Engineering, College of Engineering, Anantapur, I may submit that the only other candidate in the Subordinate Edl. Service who can be considered for temporary appointment is Sri B. Ramakrishna Rao mentioned in paragraph 1 of this letter. But the Principal, College of Engineering, Guindy, considers that Sri Ramakrishna Rao requires more experience before he can be fit for a higher post. I do not, therefore, recommend his temporary appointment as Instructor. I am requesting the Chief Engineer, Public Works Department (General), Madras, to spare the services of a suitable Assistant Engineer for appointment to the post of Instructor in Civil Engineering, Anantapur College of Engineering. I shall submit my recommendation to Government in due course, on receipt of the reply from the Chief Engineer.

3. I solicit the favour of urgent orders.

for Director of Public Instruction.

Typist ✓ C.41295 A/48 Edn. and P.h.Dept.(A). 12

M.E.S. - Mr.P.E.John and Sri J.Raja Rao, tempy.Laby.Assts. Apptd. temporarily as Instrs. in Surveying and Drawing.

Read:- From the DPI, No. 45/48, dated 30.8.48.

G.O.(MS.) No. 2286 Edn., dated 11-9-48

Under rule 9(a)(i) of the General Rules for the Provl. and Sub.Services, Mr.P.E.John and Sri J.Raja Rao, tempy. Laby.Assts., are apptd. to officiate in the M.E.S. as Instrs. in Surveying and Drawing, the former in the College of Engg., Guindy, and the latter in the ~~as Instr. in Surveying and Drawing,~~ College of Engg., Anantapur, ~~resply.,~~ w.e.f. the date of taking charge in each case.

2. The vacancies in the posts have to be filled immediately. There are no appd. candidates for regular appt. The tempy. appts. have therefore been ordered.

To the DPI
" AG
" S., MPSC.
" D.I.P.(2 copies).
" B.E.
" Pub.(CL) Dept.
" SGP (for pubn. in FSGG).

Para 1 only.

Commn's concurrence for continuing tempy. appts. obtained for para 2. Cfee vide 374 dtd 10/9/48

Edn. and P.H. Dept.(A).

From the D.P.I., No.45/48, dated 7-7-48.

Messrs. K.Balasubramaniam and T.K.George, overseas scholars - Absorption in posts in Engg.Colleges.

....

Sri K.Balasubramaniam and Mr.T.K.George were among the candidates sent by this Govt. to the U.K. for higher studies, in 1945-6, under the G. of I. scheme of overseas scholarships. They were intended to be ultimately absorbed in the P.W.D. Their subject of study in U.K. was 'Sanitary Engg.'. They have recently returned to India after completing their studies.

2. W.r.t. the general orders at "Y", Messrs. Balasubramaniam and George shd., within 6 months from the date of their return to India, be provided with Govt. appts., if suitable posts can be offered to them, by relaxing in their favour the statutory rules which technically stand in the way of their appt. The usual consultation with the M.P.S.C. before making appointments, is not necy. in respect of them.

3. The question whether the two candidates' services are at present required for the Sanitary Engg. Dept. is under separate consideration. As it is not, however, certain that there will be suitable jobs for them there, the Principal of the Engg.College, Guindy, has suggested their absorption in the Edn. Dept., as a preliminary to the opening of a course in Public Health Engg. in the Engg. Colleges at Guindy and Coimbatore. Paras 5 to 8 of the letter at pp. 1-2 C.F. of Dr.J.J.Rudra, the former Principal of the Guindy Engg.College, in the matter, may be perused. The D.P.I. agrees with Dr.Rudra's views.

4. The Edn. Dept. can put to proper use the knowledge and experience gained overseas by M/s. Balasubramaniam and George only if the Public Health Engg. course is started in their Engg.Colleges. Although nothing definite about that can be said now, it can ordinarily be expected that the proposal to open the course will materialize, if not in the

next academic year, at least during the year after the next. Dr. Rudra has recommended, and the Dir. has supported the recommendation, that until such time as the Public Health Engg. course is started and the two candidates are apptd. in posts of Instructors to be sanctd. for that course, they may be taken into the dept., under the emergency provns., as Instrs. in Surveying and Drawing in the Colleges of Engg., Guindy and Coimbatore. There seems to be no objn. to accepting the recommendation. It may be accepted and also the Dir. may be asked to consider the qn. of regularizing the tempy. appts. and report further.

5. The intention has been that the overseas scholars, when once taken into the Govt. depts., should be continued on a permanent footing, without being discharged from service after a period. It seems that that intention will be fulfilled in the case of M/s. Balasubramaniam and George, ~~in view of A and B at p.1 ante.~~

6. (1) If X above is accepted, the follg. remarks are subd. as to the exact vacancies in the posts of Instrs. in Surveying and Drawing, to which Sri Balasubramanian and Mr. George can be apptd., and the consequential arrangements to be made:

(2) The post of Instr. (Surveying and Drawing) in the Guindy College is vacant. A post of Instr. for the Anantapur Engg. College has been sanctd. recently and has not been filled. The incumbent of the post of Instr. in the Coimbatore Engg. College is Sri N.Muthukrishnan, a P.W.D. officer. The qn. of sanctioning an Instr.'s post for the Cocanada Engg.College is under the consideration of the S.F.C.

(3) The Dir. recently proposed in L.F., the emergency appt. of Sri J.Raja Rao, a tempy. Lab.Asst., in the vacancy at Guindy, and the proposal has been appd. in circn. But, now, that appt. need not be notified and, instead, Sri Balasubramaniam may be apptd. as Instr. in Guindy College. The Dir.'s modified recommendation at p.6 ante in so far as Sri Balasubramaniam is concerned, also runs thus.

(4) About Mr.George, the Dir.'s proposal is that after the post of Instr. for the Cocanada Engg.College is sanctd., Sri N.Muthukrishnan, now at Coimbatore, may be transferred to that post (Cocanada) and Mr.George apptd. at Coimbatore. Instead of doing that, even now, Sri Muthukrishnan may be transferred to Anantapur (a post has been sanctd. for the Anantapur College) and Mr.George apptd. at Coimbatore.

(5) Re: Raja Rao, the Dir. says that he may be apptd. as Instr. in the Anantapur Engg.College. If recommendation (4) above is accepted, Raja Rao cannot be given an appt. immediately. He may be 'promoted' as Instr. in the Cocanada Engg.College when a post for the college comes to be created.

7. For orders. May be circd. to H.M.(Edn.) and H.M.(P.H.)

We must first ascertain from the Public Health Dept. whether these people who have had special training in Public Health Engineering are needed for them. If they are not needed, then the above suggestion may be considered.

2. With regard to their being appointed for surveying and drawing, I would like to know what is their special qualification in these subjects. It should not be like sending a man to Overseas for higher studies in Medicine and then appointing him as an Engineer. That matter may be considered and put up.

ISA
17.7.48

Para 1 of the minutes of above: In the file relating to the absorption of the two candidates in the P.W.D., the C.E. has since reported that they will not be suitable for employment as Asst.Engrs.on Investigation work connected with the Madura Water-Supply & Drainage Scheme and that they may be taken in as Supervisors in the P.W.D. or as Municipal

Engrs., IV Grade, an allowance being paid to them until they get promotion as Asst.Engrs. ~~As the appts. of the scholars in the capacities suggested by the C.E. cannot be made (as they cannot be~~ As the posts suggested by the C.E. for the scholars are lower in status than gazetted appts., the question whether in view of the ~~scholars'~~ qualfns. of the candidates, they cannot be apptd. as Municipal Engineers, III Gr., ~~on~~ with a higher starting pay, is being pursued in that file. A

Para 2 of H.M.'s minutes on previous page: Dr.Rudra's letter at pp.1-2 C.F. (esply. para 8) and the particulars at flag "E", ~~do not disclose~~ will show that the candidates do not possess any special qualfn. in Surveying and Drawing. Therefore, the decision on A above may be awaited. Meantime, the tempy. appt. of Sri Raja Rao as Instr. (L.F.) may be notified: (if necy., he may be reverted in due course to provide posts for M/s.George and Balasubramanian). B

A decision on 'A' above may be awaited.

22/7/48

May be re-circd. to H.M.(Edn.).

pg 21.7.48

22/7/48 S

22/7/48

Thro' H,

21.7.48

If he is not qualified in surveying and drawing, what is the point in appointing him as Instructor, even temporarily? or that Engineer

SA

27.7-48

SECRETARY, EDN. AND P. H. DEPT. 27 JUL 1948 GOVERNMENT OF MADRAS

The person suggested at B above for tempy. appt. now as Instr. in Surveying and Drawing at Guindy is Sri J.Raja Rao, Laboratory Asst., whose case is dealt with in L.F. and was seen by H.M. on 14-7-48. He too does not possess the 4 yrs.' practical expce. in Surveying and Drawing prescribed for the Instr.'s post. Vide P at p.1 C.F. of L.F. All the same, one who possesses the academic qualfn. (B.E.) may be able to carry on the duties of the post. For emergency appts., strict appln. of the qualfn. rule is not made. Such appts. are resorted to in view of the absence of fully qualified candidates. For orders whether Sri Raja Rao's appt. may be notified.

2. Re: the absorption of the two overseas scholars in the Edn. Dept., a decision on the qn. of their appt. in the Municipal Engg. Dept. (A above) may be awaited.

3. May be re-circd. to H.M.

pg 30.7.48

30/7/48 S

C/41295

A

I have noted more than once that qualifications of practical experience are not to be treated lightly and I don't think it should be treated lightly here also. Our institutions are already being blamed as too bookish without being based on real experience and we should not give these relaxations too often.

With regard to the 2 overseas scholars. the matter of absorbing them elsewhere may be awaited.

SECRETARY, EDN. AND P. H. DEPT. 2 AUG 1948 GOVERNMENT OF MADRAS

SA 1-8-48

to be D.P.I.

A draft Memo is subd. for consideration

pg 6.8.48

DPI 2/8/48 S W/Dft

(Issued as Memo. No. 41295-A-3 dt. 10.8.48. from the D.P.I. No. 45/48 d. 30-8-48.)

B at pp.10 cf

The D.P.I. almost agrees with A above. But he says that, in view of the paucity of persons possessing the prescribed practical experience, candidates without it have to be considered for temporary appt. provided they can be regarded otherwise suitable.

On that basis, he has reiterated the proposal for the appt. of Sri J. Raja Rao, B.E. (I class) who has been strongly recommended by Major B. H. Morley also, as Instructor in Surveying & Drawing in the Anantapur Engg. College.

C at p.10 cf.

On the same basis, the Dir. has further recommended the appt. of Mr. P. E. John, B.E. (I class) who has 2 years' teaching & laboratory experience as Instructor in Surveying & Drawing in the Guindy College.

D at p.10 cf

The appts. may, it is subd., be ordered under the emergency provisions.

May be ord to H.M.(Edn.)

SA

SECRETARY, EDN. AND P. H. DEPT. 9 SEP 1948 GOVERNMENT OF MADRAS

8.9.48

8/9/48

DPI 9/9/48 S

W/Dft H.(Cr.) 9-9-48

pg 10.9.48

A draft order is subd.

DPI 11/9/48

Edn. and P.H.(A).

Overseas scholars Sri K.Balasubramanyam and Mr. T.K.George - Absorption in Govt. appts.

The notes and orders at pp.13-16 and the Memo. at p.8 of "Z" may be seen.

It is understood that Messrs. K.Balasubramanyam and T.K. George have since been apptd. as Supervisors in the P.W.D. The question of absorbing the candidates in posts in Engg. Colleges (Edn. Dept.) may therefore be dropped. This note may be filed with "Z".

It is not known whether the Scholars have joined duty.

Thro' H/1.

25.11.58

26/11/58

26.11.58

CO 26.11.58

28/11/58

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION.

Overseas Scholarships (Central) - Application for Employment of Scholars.

....

N.B. - This application must be submitted (in quadruplicate) at least FOUR months before a scholar's stay abroad is to come to an end.

EDUCATION DEPARTMENT
25 FEB 1948
HIGH COMMISSIONER FOR INDIA

18

1. Full Name (in block letters)	THANUVELIL KOSHY GEORGE.
2. Date of birth	23.4.1925
3. Father's Name	REV. T. G. KOSHY.
4. Full address in India to which correspondence should be addressed to the scholar on his return.	C/o. REV. T. G. Koshy. M.A Professor. Osmania College. Kurnool S. India.
5. (i) Subject of Scholarship. (ii) Exact Branch.	Engineering Sanitary Engineering
6. Year of Selection.	1945
7. Date of commencement of scholarship (Date of arrival in the country of study).	26th Dec: 1945
8. Date on which the course of his studies is due to terminate.	Completed M.Sc(Tech) in Dec 1947
9. Approximate date of return in India.	31st March 1948.

10. Qualification prior to Selection.

	(Name of College Institute or University attended.	Examination passed.	Division obtained.	Year.	Subjects taken.
(a) Academic (i) Degree & Post graduate examinations only. (ii) Post graduate training or research.	Madras Engineering College. Guindy	B.E. (Civil)	1st Class	1945	Civil Engineering
(iii) Published works (Give names of the papers published, if any.)					

P.T.O.

	Institution, Cp., or Office where trained or employed.	Post or capacity in which employed.	Pay (if any drawn (with scale)	Period.
(b) Practical training and industrial or professional experience gained (including apprenticeship.)	Messrs Gannon Dunkerley & Co. Ltd. Madras. Public Works Contractors.	Assistant Engineer	Rs 140 per month	March '45 to July '45
	Bombay Government Land Improvement Dept. Bijapur	Senior Land Improvement Assistant	Rs 160+100 +40+30 = Rs 330 per month	Aug 1945

(c) Additional qualifications not covered in (a) and (b) above.

(d) Post held at the time of selection:

(a) Name of the post. — Senior Land Improvement Assistant

(b) Pay last drawn and the scale of pay. — Rs 160+100+40+30 = Rs 330 per month. Scale Rs 330 to Rs 450.

(c) Office or Government where employed. — Bombay Government. Land Improvement Department. Employed at Bijapur

(d) Did you resign, or go on study leave terms or on extraordinary leave? — Resigned.

11. Overseas Qualifications Acquired.

(a) Name of the country of study. — England.

(b) Details of the course of study covered (up-to-date.)

	Institution or University, etc. attended.	Duration From	Duration To	Subject with exact branch.	Some details of the course (if the space is not sufficient, attach a separate sheet).	Degree, Diploma or Certificate if any, obtained.
(i) Academic.	Manchester University, College of Technology Manchester	Feb 1946	Dec 1947	Sanitary Engineering branch of the Municipal Engineering Department	1. Research in Sanitary Engineering. 2. Lectures in Water supply, Sewerage & Sewage Disposal	1. M.Sc (Tech) 2. A.M.C.T. (Associate of the Manchester College of Technology)

P.T.O.

(ii) Practical Training.	1. One month at the Manchester Water Department	Sept 1947	Studied the maintenance of water works & water department.
	2. Research work was carried out at the Manchester Corporation Sewage Disposal Works	April '46 July '47	Operation and maintenance of sewage disposal works.
	3. With Messers T.D. & D.M. Watson Consulting Engineers Westminster London.	Jan & Feb 1948	Design of Sanitary Engineering works.
(iii) Educational visits and study tours	Have visited a large number of water works, sewage treatment works and Refuse Collection and disposal works, including most important installations in England and Scotland. Visited a number of construction works at present in progress in various parts of England.		

(iv) Any papers published? Please give details or attach copies.

Together with Mr. K. Balasubrahmanyam a Madras Government Scholar, read a paper before the Institution of Civil Engineers North Western Association. The paper was entitled 'The Rational Design of Settlement Tanks'.

12. (i) Do you have any suggestions about your employment?

(ii) Would you prefer a

(a) Administrative

(b) Technical

or

(c) Teaching post?

Should like to work in the Sanitary Engineering Department where I can design & construct water works, sewerage, sewage treatment works, or refuse disposal works.

Technical.

13. Testimonials attached (Attach at least 2 testimonials from Professors or Supervisors under whom you worked during your studies overseas and give their names and addresses.)

Copies of testimonials from
1. R.J. Cornish Esq. M.Sc. M.I.C.E. etc. Professor. Municipal Eng: Department College of Technology Manchester.
2. A. Johnson Esq. M.Sc. A.M.I.C.E, etc Senior Lecturer. Municipal Eng: Department College of Technology Manchester & Manchester University

D.R. Gnanaraj

.....
Signature of the Applicant.

Date 23rd Feb. 1948.

P.T.O.

14. Tutor's Remarks:	
15. Forwarding Report by the Indian Embassy or High Commissioner's Office concerned on the Scholar's work and general conduct(if necessary any confidential report may be sent separately.)	Mr. T.K.George has completed an excellent course of training in Sanitary Engineering, and has also qualified for his M.Sc.(tech)degree. His general conduct has been entirely satisfactory, and he has made very good use of his opportunities. He is well-suited for a technical job requiring practical skill. Mr. George contributed a research paper which was read before a meeting of the North Western Association of the Institution of Civil Engineers. This paper was widely commended. P.N. Kirpal ..... Signature of Forwarding Authority. Date.....15th April, 1948.....

N.B. Separate sheets to be attached in case space in any column is found insufficient. Please denote carefully.

rps 18 xii 47
S.

SCHOOL OF ENGINEERING, WEST BUILDING, COLLEGE OF TECHNOLOGY, MANCHESTER.

(17) 225

15th December, 1947.

Mr. T.V. George entered the above Department as a research student at the beginning of 1946. He has carried out theoretical and practical work on the design of settlement tanks, and has been awarded the degree of Master of Technical Science for a thesis on this subject.

On December 11th, 1947 he, together with a fellow-student, presented a paper on "A rational design of settlement tanks" to the North Western Association of the Institution of Civil Engineers. In the discussion which followed, the opinion was generally expressed that the paper formed a valuable contribution to the scientific study of a subject which has previously been dealt with on mainly empirical lines. Many points were raised, and the authors replied fully and ably, showing a sound knowledge of the principles underlying the problem.

While in this country Mr. George has taken various opportunities of improving his knowledge of Municipal and Sanitary Engineering by attending lectures and institution meetings and by visits to works in progress and completed installations. He has shown keenness and industry in all that he has undertaken, and I expect him to have a successful career in a profession for which he is well fitted by personality and training.

(Signed) R.J. Cornish.
Director.

Copy of testimonial from.
R. J. Cornish, M. Sc., M. Inst. C.E., A.M.I. Mech.E.
A.M.I. Struct. E., F.R. San. I.
Head of the Department of Municipal Engineering.

(18) 5

23

COPY OF TESTIMONIAL FROM MR. A. JOHNSON, SENIOR LECTURER IN MUNICIPAL ENGINEERING, COLLEGE OF TECHNOLOGY, MANCHESTER.

18th December, 1947.

I have pleasure in stating that T.K. George has been a research student under me for the past two years.

During that time his work and conduct have been entirely satisfactory and he has shown marked ability to carry out original investigations and to evaluate the results.

I feel sure that in the field of sanitary engineering he has a good future before him and he leaves the College with my best wishes for his success.

(Signed) A. Johnson
Senior Lecturer in Municipal Engineering.

Copy of testimonial from,

A. Johnson, M.Sc(Eng)., A.M.I.C.E., M.I.M.E.,
F.R.San.I., F.I.S.E.,
Barrister-at-Law.

College of Technology

MANCHESTER 1

18/12/47

I have pleasure in stating that K. Balasubrahmanyam has been a research student under me for the past two years.

During that time his work and conduct have been entirely satisfactory and he has shown marked ability to carry out original investigations and to evaluate the results.

I feel sure that in the field of Sanitary Engineering he has a good future before him and he leaves the College with my best wishes for his success.

(Signed) A. Johnson

Senior Lecturer in Municipal Engineering

Department of Municipal Engineering
(The Victoria University of Manchester)

College of Technology

Manchester 1.

Director:

R.J. Cornish.
M.Sc., M.Inst.C.E.,
A.M.I.Mech.E.,
A.M.I.Struct.E.,
F.R.San.I.

15th December, 1947.

Mr. K. Balasubramanyam entered the above Department as a research student at the beginning of 1946. He has carried out theoretical and practical work on the design of settlement tanks, and has been awarded the degree of Master of Technical Science for a thesis on this subject.

On December 11th, 1947 he, together with a fellow-student, presented a paper on "A rational design of settlement tanks" to the North Western Association of the Institution of Civil Engineers. In the discussion which followed, the opinion was generally expressed that the paper formed a valuable contribution to the scientific study of a subject which has previously been dealt with on mainly empirical lines. Many points were raised, and the authors replied fully and ably, showing a sound knowledge of the principles underlying the problem.

While in this country Mr. Balasubramanyam has taken various opportunities of improving his knowledge of Municipal and Sanitary Engineering by attending lectures and institution meetings and by visits to works in progress and completed installations. He has shown keenness and industry in all that he has undertaken, and I expect him to have a successful career in a profession for which he is well fitted by personality and training.

(Signed) R.J. Cornish.

(v) 9 3/26

Details of Courses, Visits etc.

(1) ACADEMIC.

(a) The research work for Msc (Tech) degree was carried out at Davyhulme Sewage Disposal Works so that full opportunity was taken to study the operation and maintenance of the second largest plant in the United Kingdom. The work done was on "Settlement Tanks" as applied to water and sewage treatment works.

(b) Full use was made of the evenings by attending lectures and part-time courses in the following subjects:- water supply, sewerage and sewage disposal, refuse collection and disposal, engineering geology, and Town Planning.

(c) I am admitted as a Student Member of the following Institutions after obtaining the necessary qualifications. More practical training is necessary to become an Associate Member.

(i) Institution of Civil Engineers.

(ii) Institution of Municipal Engineers.

(iii) Institution of Water Engineers.

(iv) Royal Sanitary Institute.

Every opportunity is taken to attend the meetings of the above Institutes. The object is not only to improve the technical knowledge but also to study their organisations and their working so that the same kind of Institutions can be developed in India in the near future.

(2) PRACTICAL TRAINING

(a) After finishing my research work I joined the Soil Mechanics Laboratory of the College and worked there for about 1½ months doing practical work.

(b) During the vacation period of my research course I worked in Manchester Corporation Water Supply and drainage departments for a period of 1½ months, learning their practice and methods of maintenance.

(c) After leaving Manchester I joined the firm of Messrs. J.D. & D.M. Watson, Consulting Engineers, well known in the United Kingdom, to undergo practical training in the design and construction of sewerage and sewage disposal, water supply etc.

(3) EDUCATIONAL VISITS AND STUDY TOURS.

(a) The Waterworks, sewage works and refuse collection and disposal works of the following places have been studied and the works visited so as to understand their construction, operation and maintenance:-
Manchester, Birmingham, Glasgow, Edinburgh, Newcastle-on-Tyne, London, Bradford, Leeds, Sheffield etc.

(b) Visits have also been paid to firms manufacturing pumping equipment, Waterworks equipment, sewage disposal equipment, and others connected with Public Health Engineering, to study their methods of manufacture, testing and range of usefulness in India.

(23) 11 8 28

Example. Mather & Platts; Harland Engi; Adams Hydraulics; Guest & Chrimes; Glenfield & Kennedy; Ames Crosta Mills; Bell Brothers; Patterson Engi.Ltd; George Kent Ltd., etc.

Visits have also been arranged to Water Pollution Research Station, Building Research Station, Road Research Laboratory etc, and particular attention is paid to the work carried out there in so far as it relates to Public Health Engineering.

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION.

Overseas Scholarships (Central) - Application for Employment of Scholars.

....

N.B. - This application must be submitted (in quadruplicate) at least FOUR months before a scholar's stay abroad is to come to an end.

1. Full Name (in block letters)	KUMPATI BALASUBRAMANYAM
2. Date of birth	18th SEPTEMBER 1924
3. Father's Name	KUMPATI SURYABHAGAVANULU
4. Full address in India to which correspondence should be addressed to the scholar on his return.	321, OLD POST OFFICE NELLORE MADRAS PROVINCE
5. (i) Subject of Scholarship. (ii) Exact Branch.	CIVIL ENGINEERING - SANITARY ENGINEERING - DESIGN AND CONSTRUCTION OF WATER, SEWAGE, AND REFUSE DISPOSAL WORKS.
6. Year of Selection.	1945
7. Date of commencement of scholarship (Date of arrival in the country of study).	25th DECEMBER 1945
8. Date on which the course of his studies is due to terminate.	25th DECEMBER 1947, ~~BUT ONE~~ YEAR EXTENSION IS ARRANGED
9. Approximate date of return in India.	PROBABLY IN ~~AUGUST~~ 1948 MARCH

10. Qualification prior to Selection.

	(Name of College) Institute or University attended.	Examination passed.	Division obtained.	Year.	Subjects taken.
(a) Academic (i) Degree & Post graduate examinations only.	ENGINEERING COLLEGE MADRAS UNIVERSITY	BACHELOR OF ENGINEERING (B.E. CIVIL)	1st CLASS HONOURS	1941	ALL SUBJECTS IN CIVIL ENGINEERING
(ii) Post graduate training or research.	Do	HYDRAULIC LABORATORY TRAINING		1945	—
(iii) Published works (Give names of the papers published, if any.)	—				

P.T.O.

	(Institution, Cp., or Office where trained or employed.	(Post or capacity in which employed.	(Pay(if any drawn ((with scale)	Period.
(b) Practical training and industrial or professional experience gained (including apprenticeship.)	EMPLOYED BY THE MADRAS PUBLIC WORKS, IRRIGATION DEPARTMENT	AS A SECTION OFFICER FOR THE INVESTIGATION AND MAINTENANCE OF RAILWAY AFFECTING TANKS	100 RS + D.A. 13 RS	1944-45
(c) Additional qualifications not covered in (a) and (b) above.	—			
(d) Post held at the time of selection: (a) Name of the post. (b) Pay last drawn and the scale of pay. (c) Office or Government where employed. (d) Did you resign, or go on study leave terms or on extraordinary leave?	NIL — — I WAS PREPARING FOR A COMPETITIVE EXAMINATION OF THE INDIAN RAILWAY SERVICE (I.R.S.E.)			

11. Overseas Qualifications Acquired.

(a) Name of the country of study. — UNITED KINGDOM (MANCHESTER)

(b) Details of the course of study covered(up-to-date.)

	Institution or University, etc. attended.	Duration From	Duration To	Subject with exact branch.	Some details of the course (if the space is not sufficient, attach a separate sheet).	Degree, Diploma or Certificate if any, obtained.
(i) Academic.	(a) Manchester University, College of Technology	1946 January	1947 Dec.	Research in Sanitary Engineering	For details refer attached sheet	Obtained the degree of MSc(Tech) Manchester.
	(b) Lectures and part time courses in sewage, water supply, geology etc	do	do	do	do	—
	(c) Qualified for the membership of the Institution of Civil Engineers, do . Municipal do. do . Water . . Royal Sanitary Institute	—	. .	—	do	Membership Qualifications.

P.T.O.

(26) 46 8/31

(ii) Practical Training.	(a) Study of soil mechanics and lab work for 1½ months	1947 Octo:	1947 Dec	Soil mechanics	Details in attached sheet	—
	(b) Work at the Manchester Corporation water and drainage department for 1½ months	1947 Sept	1947 octo	Water Supply & sewage disposal	- do -	—
	(c) Practical training under J. D & D. M. Watkins consulting engineers	1947 Dec.	1948 March	- do -	- do -	—
(iii) Educational visits and study tours	(a) Visits to water sewage and refuse works in all important places in U.K. (b) Visit to farms manufacturing equipment for Sanitary engineering installations.	—	—	-	- do -	-

(iv) Any papers published? Please give details or attach copies.

YES. THE PAPER IS A SUMMARY OF THE RESEARCH WORK DONE. IT WAS PRESENTED TO THE NORTH WESTERN BRANCH OF THE INSTITUTION OF CIVIL ENGINEERS. IT WAS WELL RECEIVED AND DISCUSSED. COPIES ATTACHED.

12. (i) Do you have any suggestions about your employment?

(ii) Would you prefer a

(a) Administrative

(b) Technical

or

(c) Teaching post?

I WOULD PREFER A TECHNICAL POST IN CHARGE OF A COMPREHENSIVE SCHEME OF PUBLIC HEALTH DEVELOPMENT, SUCH AS DESIGN AND CONSTRUCTION OF SEWERAGE AND DRAINAGE WORKS, WATER SUPPLY INSTALLATIONS. WORKS CONNECTED WITH PUBLIC CLEANSING.

13. Testimonials attached (Attach at least 2 testimonials from Professors or Supervisors under whom you worked during your studies overseas and give their names and addresses.)

THE TWO TESTIMONIALS ATTACHED ARE FROM MY PROFESSOR AND SENIOR LECTURER UNDER WHOM I DID MY RESEARCH WORK.

R. J. CORNISH ESQ. PROFESSOR IN MUNICIPAL ENGINEERING, COLLEGE OF TECHNOLOGY MANCHESTER

A. JOHNSON, ESQ. SAME DEPT.

K. Balasubramanyam.
.....
Signature of the Applicant.

Date.....

P.T.O.

(21) 4 9 32

14. Tutor's Remarks:	
15. Forwarding Report by the Indian Embassy or High Commissioner's Office concerned on the Scholar's work and general conduct(if necessary any confidential report may be sent separately.)	

Column 15.

Mr. K. Balasubrahmanyam arrived in the United Kingdom in December, 1945 and proceeded to the College of Technology Manchester for post-graduate work in Sanitary Engineering. During his period of scholarship he has combined very effectively pursuit of research work with practical training, and has also published a paper which was read before the North Western Association of the Institution of Civil Engineers. We have received very good reports of Mr Balasubrahmanyam's progress, and he is one of the scholars who have made excellent use of their time abroad.

Mr. Balasubrahmanyam is equiped to do either a teaching job or practical work.

P. N. Kirpal

.....
Signature of Forwarding Authority

Date.....8th March, 1948...

Please see enclosure.
P.K.
8/3

.....
ature of Forwarding Authority.

.....

ached in case space in
fficient. Please denote

Not issued

Edn. and P.H. Dept.(A).
====

M.E.S. - Sri J.Raja Rao, tempy. Laby.Asst. - Apptd. temporarily as Instr.in Surveying and Drawing, Engg.College, Guindy.

Read:- From the D.P.I., No.45/48, d/- 3-7-48.

G.O.(MS.) No. Edn., dated

Under rule 9(a)(i) of the General Rules for the Provl. and Sub. Services, Sri J.Raja Rao, tempy. Laby.Asst., College of Engg., Anantapur, at Guindy, is apptd. to officiate as Instr. in Surveying and Drawing, College of Engg., Guindy, in the M.E.S., w.e.f. the date of his taking charge.

2. There is no approved candidate for appt. as Instr. in Surveying and Drawing. The tempy. appt. of Sri J. Raja Rao has therefore been ordered.

P.G. 7.7.48

DM 9/7/48

To the D.P.I.
" A.G.
" S.G.P.(para 1 only)
" R.B. -do-
" D.I.P.(2 copies)(para 1 only)
" Pub.(CL) (para 1 only)
" S., M.P.S.C.

NOTE:- For orders as to circn. to H.M.(Edn.).
In the draft order, the D.P.I.'s recommendation in his letter below, is proposed to be accepted.

P.G. 7.7.48

DM 9/7/48 S hf 9/7 H.M.(Edn.)

(Not) C.S.

SECRETARY, EDN. AND P. H. DEPT. 14 JUL 1948 GOVERNMENT OF MADRAS

TSR 14-7-48

The dir. has since sent in modified proposals in top file. Draft above has not been issued. Please see note in top file.

P.G. 15.7.48

DM 16/7/48 S hf 7/7/48

Confidential

EDUCATION DEPARTMENT.

(29) 34

From

D.S. REDDI, ESQ., M.A.(Oxon.),
Director of Public Instruction,
Madras.

5 JUL 1948

To

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

R.CL. No.45/48, Dated the 3rd of July, 1948.

Sir,

49230

Subject:- Madras Educational Service - Instructor in Surveying and Drawing - Vacancy - Proposals for filling:

***

In their Memorandum No.35657 A.1, Education, dated 8th June 1948 the Government have cancelled the temporary appointment of Mr. Jiwansingh Premsingh Moorjani as Instructor in Surveying & Drawing, College of Engineering, Guindy, ordered in G.O.No.349 Education, dated 24th February 1948. The post of Instructor in Surveying and Drawing, College of Engineering, Guindy, is vacant from 10-1-48. There is, at present, no qualified candidate in the Madras Educational Subordinate Service, who is eligible for appointment to the post by transfer. It is, therefore, necessary to fill the vacancy temporarily under emergency provisions.

2. In this connection I recommend that Sri J. Raja Rao, Temporary Laboratory Assistant, Strength of Materials Laboratory, ~~Assistant,~~ Anantapur College of Engineering, at Guindy, may be appointed to officiate as Instructor in Surveying & Drawing, College of Engineering, Guindy, under rule 9(a)(i) of the General Rules for the Madras Provincial and Subordinate Services. It is reported by the Principal, College of Engineering, Guindy, that Mr. Raja Rao is the third Scheduled Class Graduate in Engineering of the College. He has passed the B.E. degree in Civil Engineering and obtained a First Class. Although he does not possess the prescribed period of practical experience, he is reported to be a very capable man and will be suitable for the post of Instructor. I, therefore, request that the Government may be pleased to appoint Sri J. Raja Rao,

35

to officiate as Instructor in Surveying & Drawing, College of Engineering, Guindy, under emergency provisions.

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

For DIRECTOR OF PUBLIC INSTRUCTION.

NB/3-3.

30