Sc.tt. II-27—104,000—4-11-49.

(1)

EDUCATION (1950) Department.

MS. SERIES.

G.O. NO. 2808. Edn.

Dated 9. 10. 1950.

(62)

[Despatch Abstract.]

Back Papers.

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

Further Papers.

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

BY AIR MAIL

②

No. F4-2/3-8/47.S.II
GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
NEW DELHI 3, dated the 25th October 19 48.

ASST. SECRETARY TO GOVERNMENT
27 OCT 1948
EDUCATION AND PUBLIC HEALTH DEPT.
19390

To
The Secy. to the Govt. of Madras
Education and Public Health Department,
Madras.

SUB:-SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS Madras GOVERNMENT SPONSORED SCHOLAR - 1947. MR. Chandrasekhara Venkateswaran.

Lending

A/as c.f.

Sir,

I am directed to refer to the correspondence ending with ~~your~~/this Ministry ~~letter~~/endorsement No. F4-2/3-8/47 O.DIV Dated 19-5-48 on the above subject and to state that it has been brought to the notice of this Ministry that for lack of knowledge of exact requirements of the Provincial Government in regard to the courses of studies of their scholars particularly from the point of view of the posts they are expected to take up on their return, the University authorities in the U.K./U.S.A. have been experiencing difficulties in planning their work properly.

2. It is, therefore, requested that this Ministry may kindly be furnished in duplicate with following information regarding Mr. Chandrasekhara Venkateswaran to enable us to obviate these difficulties, as far as possible, and effect better coordination between his training abroad and your actual requirements with particular reference to his employment on his return.

a) Details of courses of studies to be done by the scholar (details in the nature of a syllabus may kindly be furnished.

b) Details of practical training to be undergone by the scholar.

P.T.O

2

c) Particulars of the post, including the exact duties involved, which he would be expected to take up on his return.

3. Mr. ~~Chen~~ Venkateswan went abroad/~~awaiting~~ and ~~admission~~ is doing studies in/~~has been selected~~ ~~for~~ Chemical Engineering.

4. An immediate reply is requested.

Yours faithfully,

Man

for Secretary.

'HSS*

24-160(c)(b)
10-11

(3)

Dev. Dept

Plis ur
Vr
9.11.48

Memo No 17258 DI/48.1 d. 9.11.48

Sub: Advanced studies - Overseas 1947-48 - Sri C. Venkatesan Kadar Govt Sponsored Scholar.

Ref: From the G.O.I. Ministry of Edn. No. 74-2/S. 8/47. 11 & 25. 10.48.

Sri C Venkatesan is a scholar selected in 1947-48 for advanced studies in "Industrial and Applied chemistry" and is intended for absorption in ~~Industries~~ Industries (Govt and private enterprise) on return. He has ~~now~~ been admitted to the university of Utah USA, for graduate studies in chemical Engineering for September '48 term. The G.O.I. have now called for ~~certain~~ information on the points specified in para 2 of their letter cited above particularly from the view ~~of~~ point of the employment

Op 1-2 of

the scholar is expected to take up on his return from abroad.

A copy of the Govt of India's letter cited above is forwarded to the D/xe. He is requested to furnish the information called for by the G.O.I urgently.

Vn 6.11.48 8.11.48 CPG 9.11.48

pp1-2 of

Copy of pp1-2 of

To the D/xe (with encl)

R 25.11.48

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(4) By air mail

No.F.4-2/S-8/47. S2.
Government of India,
Ministry of Education.
New Delhi, 3, the, 6th November 1948.

FIFTH ASSISTANT SECRETARY TO GOVERNMENT
18 NOV 1948
DEVELOPMENT DEPARTMENT

ASST. SECRE... EDUCATION
121967
11 NOV
18/11/48

From

Dr. Tara Chand., M.A.D.Phil.,
Secretary to the Government of India.

To

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

83664

SUB:- Scholarships for advanced studies
Overseas Madras Government(~~Scholar~~)1947
Sponsored Scholar Mr. Chandrasekara Venkatesan.

Sir,

In continuation of this Ministry letter of even No. dated 25th October 1948 on the above subject, I am directed to forward herewith a copy of the Joining report in respect of ~~the~~ Mr. Venkatesan received from His Excellencey the Ambassador for India, in the United States of America Washington, for your information and necessary Comments. T-he Provincial Government may please state urgently whether the subject of studies, courses, and training mentioned in the supplement to the Joining Report meet with the approval of the Provincil Government.

'X'

Yours faithfully,
for Secretary.

EPH/C2

Dev u.o. for remarks in Continuation of this Dept No. 79390 C2/48-1 Edn of 5.11.48.

17/11/48

117258/48

Edn No. 79390 C2/48-2 D.11.48

17.11

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Fwd [illegible] for confirmation
of the Dept [illegible]

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⑤ 7 7

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION.
JOINING REPORT (OVERSEAS SCHOLARSHIPS SCHEME)

N.B. This report must be filled by you, in duplicate and submitted through your supervisor to the Education Deptt. Embassy of India or the High Commissioner's Office, in duplicate IMMEDIATELY after you join your Institution of study.

1. FULL NAME OF SCHOLAR: CHANDRASEKARA VENKATESAN.
2. Sponsoring Govt. MADRAS GOVERNMENT
3. Year of selection. 1947.48.
4. Date of leaving India. 19th August 1948.
5. Date of arrival abroad 9th September 1948.
6. Date of joining the institution: 24th September 1948.
7. Name of institution: University of Utah, Saltlakecity 1 Utah .U.S.A.
8. Course of studies for which admitted * Chemical Engineering Industrial and Applied Chemistry. please see supplement Section 8.
9. Degree if any to be obtained at end of course: M.S. Ch.E. Master of Science in Chemical Engineering

D

(2)

10. Practical training, if any, to be part of course * Please see suplement section 10 Number of factory visits and study tours form part of Course.

11. Probable duration of course: About two years.

*Separate sheet may be attached, if necessary.

C.Venkatesan.
(Signature of scholar)

Date : September 28, 1948.

Remarks, if any of supervising authority: please see suplements.

Head of Department of
Chemical Engineering.

(Signature of supervising authority).

Forwarding remarks of the Office of the High Commissioner or Embassy of India.

It is prusumed the subject meets with approval.

Date: 23.8.48. (Sig.of Forwarding officer)

THAKUR'D.

Fwd [illegible] Continuation [illegible]

Section 8, supplement

Chandrasekara Venkatesan
Madras Government.

Course of Studies for which admitted:

Chemical Engineering. -Industrial and Applied Chemistry.

This study program includes Chemical Engineering Principles, Unit Operations, Chemical Process Principles, and plant design, and also an ivestigation directed towards the development of new methods and knowledge in a selected phase of chemical engineering. As part of the above course, training will also be given in Industrial and Applied chemistry, including kilns, furnaces and firing operations fuel technology catalysts in industry and industrial gas filtration, including a general study of industries and the application of chemistry to them.

Section 10, supplement

Practical training if any to be part of course:

Three to six months experience in a chemical industries plant will probably be arranged following completion of University training. Students will gain considerable experience with industrial scale equipment also in the course of their university training.

C. Venkatesan

Supervisor and Head of
Department of Chemical Engineering.

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DEV. Dept

11

(7)

pl. issue

gh 27/11

Memo No 117258 DI/48-2 d 29.11-48

Sub: Advanced Studies overseas 1947-48
— C. Venkatesan. Madras Govt
sponsored scholar

pp 3-4 f

Ref: i Govt Memo No 117258 DI/48-1 d 9. 11-48

p 5 f

ii From the G.O.I Ministry of Education
No 7. 4- 2/S. 8/47. S2 d 6. 11-48

pp 3-4 f

(F)

p 5 f

pp 7-9

In continuation the Govt Memo cited above, a copy of the Govt of India's letter cited above together with its enclosure is forwarded to the DIxE ~~for~~ urgent remarks.

Also with Edn

ap 4/12

Vm 21.11.48

Mg 25.11.48

CPP 29.11.48

pp 5-9 f

To the DIxE (with [illegible]) 2/12
Copy of pp 5-9 (CF)
R 15.12.48

13

INDUSTRIES AND COMMERCE DEPARTMENT.

(8)

From

The Director of Industries
and Commerce, Chepauk, Madras.

Dev 123993 DI/48
14/12/48

To

The Joint Secretary to Government,
Development Department, Madras.

ASSISTANT SECRETARY TO GOVERNMENT
14 DEC 1948
DEVELOPMENT DEPARTMENT

Letter No. 2344 E1/48 dated 10-12-48.

D1

Sir,

Sub: Advanced Studies - Overseas 1947-48 -
Mr. C. Venkatesan, Madras Government.
sponsored scholar.

pp3-4 above

Ref: Government Memo No.117258 DI/48-1 Dev.
dated 9th November 1948.

....

It is not possible to find a suitable post in this department for Mr. C. Venkatesan on his return from higher studies as there are very few posts requiring scholars possessing chemical Engineering qualifications. He may be asked to seek employment in private industries.

However I would suggest that he may be given practical training in Chemical Industries like manufacture of fertilisers, Heavy Chemicals etc.

V. Venkatarayudu
13.12.48

for Joint Director of Industries &
Commerce.

11/12

14

By Air Mail

15 ⑨

EPH
C2

Letter/Ref 79390 C2/48.3 Edn of 3.1.49

To

The Secy to the Govt of I.
Ministry of Edn,
New Delhi. 3

03/7
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Air Mail
5/1

p 1 Cf
p 5 Cf

Sir.

Ref your F4-2/5-8/47 S2 of 25.8.48 and 6.11.48 re. Sri C. Venkatesan. 1947 Scholar.

I am directed to state that the course of training mentioned in the supplement to the Joining Report meet with the approval of the Govt. Arrangements may also be made to give practical training in Chemical Industries like manufacture of fertilisers, heavy chemicals, etc. within the normal period of two years though the Govt have at present no post in view for his employm

p 9 Cf.

16

on return, every endeavour will be made to place him in a suitable employment.

KB3
24.12.48

JRM
29/12/48

JRM
31/12/48 T. f.

JD
29/12/48

C2 17

BY AIR MAIL

(10)

No. F.4-2/S-8/47-S.2.
GOVERNMENT OF INDIA.
MINISTRY OF EDUCATION.

NEW DELHI 3, the 17/1 January, 1949.

From

Dr. Tara Chand, M.A., D.Phil., (Oxon).,
Secretary to the Government of India.

Asst. Secretary to Government, Education and Public Health Dept.
20 JAN 1949

To

His Excellency the Ambassador for India in the U.S.A.,
Education Department, 2111, Massachusetts Avenue N.W.,
WASHINGTON D.C.

SUBJECT: SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS - 1947-48
MADRAS GOVERNMENT DEPUTATIONIST - MR. C.VENKATESAN.

3826

Sir,

In continuation of this Ministry endorsement of even number dated the 6th November, 1948 on the above subject, I am directed to forward herewith a copy of letter No.79390-C.2/48-3 Edn dated the 3rd January 1948 from the Government of Madras for information and necessary action.

p.15 ante

Yours faithfully

Sd/-
(VIKRAM SINGH)
for SECRETARY

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

By Order

Vikram Singh 17/1
(VIKRAM SINGH)
for SECRETARY

(KARTAR) 15/1.

EDH/C2

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24/1/49

KB3
21.1.49

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2191

No. F.4-2/S-8/47-S.2. ⑪
GOVERNMENT OF INDIA.
MINISTRY OF EDUCATION.

NEW DELHI 3, the 17th March, 1949.

From

Dr. Tara Chand, M.A., D.Phil.,(Oxon).,
Secretary to the Government of India.

To

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

SUBJECT: SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS - 1947-48- MADRAS GOVERNMENT SPONSORED SCHOLAR - MR.C.VENKATESAN.

Sir,

p17 ante

p21 infra /

In continuation of this Ministry endorsement of even number dated the 17th January 1949, on the above subject, I am directed to forward herewith for the information of the Provincial Government a copy of the letter No. G.743/47 dated the 9th February 1949 with enclosure from the Indian Embassy Washington.

Yours faithfully
D. Mathani
for SECRETARY

EPH/G.

23.3.49

24/3/49

A copy of a letter No. G.743/47 dated the 9th February 1949 from the Indian Embassy, Washington to the Ministry of Education, New Delhi.

....

This will acknowledge your letter of the 19th of January 1949, together with which you have sent us your Tour Reports.

We have just heard from Government that they required you to take practical training in Chemical Industries like the manufacture of fertilisers, heavy chemicals, etc., within the normal period of two years. Will you please let me know as to when you will find it possible to take this training. I note that Professor Christensen has already stated that practical experience for you would be arranged following your University training. The important point to bear in mind is that this training should be within your tenure of scholarship, that is within September 8th,1950.

@*@*@*@*@*

REPORT ON THE TOUR UNDERTAKEN BY ME DURING THE PERIOD DEC.22,'48-
JANUARY 2, '49.

....

1.Visited the Western Electro-Chemical Company Ltd., Hendorson, Hevada on December 23rd 1948..
They are interested in the production of Sodium Chlorate, Potassium Chlorate, Sodium Perchlorato, and Potassium Perchlorate, Electroatcaly using Carbon, Iron and Platium Electrodes. Starting with Sodium Chloride (about 99.9% pure), they prepare Sodium Chlorate first, and then with double - decompositon with Potassium Chloride, prepare Potassium Chlorate. They then by changing the Electrodes and varying the Current-Density, oxidise further to Sodium Perchlorate, Production: About 60,000 per day.

2. Visited Proctor and Gamble Ltd.,Long Beach,California,on Dec.27,'48.

They are interestdd in the manufacture of "Ivory Soaps", and some kinds of washing-soaps which are very efficient in removing greases and other oily matter. Of course they manufacture by the well.known process of Saponification of Coconut oil by Sodium Hydroxide or Potassium Hydroxide, depending on whether *Hard* or *Soft* soap is required They have also developed the Hydrolyser Process for a new and faster method of Soap-making.

3. Visited the Permanente Cement Corporation Ltd., Permanente, California, on December 29th, 1948.

They are interested in the manufacture of Cement and the Plant in Permanente in the World's largest single-production plant. The production is aout 95% second and the Planswork all the 24 hours. Modern Mechanical devices are used in the Unit-Operations like Crushing, Grinding etc.

4. Visited the Great Western Division of the Dow Chemical Company Lte. Inc.on December 31st 1948 in Pittsburgh, California.

They are interested in the manufacture of Caustic Alkali by the Electroloysi of Sodium Chloride in the World-famous Dow Cells which are patented and kept secret. With the Bye-product Hydrogen, they also manufacture liquid and Gas-filled Ammonia cylinders, by using Iron Catalysts at Optimum Temperatures and Pressure. conditions. They also Chlorinate Marsh Gas and get products like Ch2ci2,Chci3.

January 19th 1949
Department of Chemical Engineering,
University of Utah,
Salt Lake City 1, UTAH

SGD. (C.VENKATESAN)
MADRAS GOVERNMENT SCHOLAR.

¾.¾.¾.¾

No. F.4-2/S-8/47-S.2.
Government of India.
Ministry of Education.
New Delhi, the 20th Sept. 1949

From

~~Dr. Tara Chand M.A., D.Phil.,~~
Secretary to the Government of India.

To

The Secretary to the Government of MADRAS
Department of Education and Public Health, ~~Depar~~
MADRAS

SUBJECT:- SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS REPORTS IN RESPECT OF PROVINCIAL GOVERNMENTS SPONSORED SCHOLARS/~~DEPUTATIONISTS~~ IN ~~U.K.~~/ U.S.A./~~AUSTRALIA/NEW ZEALAND.~~

73372
9 SEP 1949

Sir,

I am directed to forward herewith for the information of the Provincial Government, a copy of the progress report in respect of ~~Mr.~~ Sri C. Venkatesan a Madras Government 1947-48 sponsored scholar/~~deputationist.~~

p 25 infra

The Provincial Government may kindly forward suggestions, if any, from the point of view of the employment of ~~Mr.~~ Sri C.Venkatesan is expected to take up on his return.

Yours faithfully,
19/9
for Secretary.

JK
19.5.49.500

PROGRESS REPORT

FORM 4

NOTE TO STUDENTS

I. In every case, it is essential for you to state the degree, if any, for which you are studying. The likely date of taking the degree should in all cases be mentioned. If you are not studying for a degree, please mention the likely date when you hope to complete the course, of study you are pursuing. Where you have already taken a degree, please give the date of taking it, and state what you have been doing since taking the degree, and when you hope to complete the course, or training you are undergoing at present. Of the four copies that are being sent to you, three are to be returned; one is for your record.

II. This report must be submitted through your Professor or Supervising authority in-charge. (See reverse).

Name in Block Capitals Chandrasekara VENKATESAN. File No. G. 743/47.

Scholarship/ Study Leave/ Deputationist Scholarship.

SPONSORING AUTHORITY Govt. of MADRAS.

---

1. Date of arrival in U.S.A. 9th September 1948.

2. Subject for which selected Chemical Engineering-Industrial and Applied Chemistry.

@ 3. Course of study or training undertaken Majoring in Chemical Engineering, with a minor in Applied Chemistry.

4. Degree sought/~~obtained~~ M.S. in Chemical Engineering.

5. Approximate date of degree-award June 1950.

6. Institution in which student is pursuing study/~~training~~ Department of Chemical Engineering, University of Utah, Salt Lake City 1, UTAH.

@ 7. Course of study or training attended during period under review Completed most of the Under-Graduate Courses in General Engineering, which I have to take as necessary pre-requisites for Graduate Studies in Chemical Engineering.

@ 8. All Examinations (including subjects) taken, with dates, and results. (In the final examination the degree or diploma obtained should be stated, with subjects taken, and honours, if any.) The grades obtained in the final examination, must be stated. Grades should be explained. Most of the Courses were Under-Graduate Courses in General Engineering. For Courses less than 200 in Number Grade "C" is good enough. "B" - Good.

9. Any Prizes or other Distinctions Nil.

10. FOR STUDENTS TAKING PRACTICAL TRAINING:

Name of Concern: Date of Joining: Stay to last until: Nature of Training:

11. This Report covers period beginning from September 1948 and lasting up to June 1949.

12. University or Institution Supervisor's Report on the work of the student during the period under review:

We believe Mr. Venkatesan is making satisfactory progress in his work, which will lead to a masters degree in Chemical Engineering. If he encounters no unforseen difficulties in his research work and if his formal class work is satisfactory during the coming year, the degree will be granted in June, 1950.

Date August 5, 1949 Signature E B Christensen

13. Observations of the Education Department, Embassy of India.

Date Signature R Pillai 20/8/49

Signature of Student C. Venkatesan

Place Salt Lake City - Utah

Date August 5th 1949.

Record of CHANDRASEKARA VENKATESAN.
Graduate School.

(15) University of Utah,
Salt Lake City 1, UTAH.

Courses.	No.	Title.	1st Term. Hrs.	1st Term. Grd.	2nd Term. Hrs.	2nd Term. Grd.	3rd Term. Hrs.	3rd Term. Grd.
C.E.	1	Eng'g Draw.	3	C				
M.E.	150-1-2.	Mechanics.	4	B	4	C	4	C
ChemE.	151-2-3.	Unit Operatns.	3	C	3	B	3	C
M.E.	163	Heat Power E.	3	B				
ChemE.	154-5-6	Unit Oper Lab.	2	C	2	C	2	C
ChemE.	257-8-9.	Chem Proc Prin	3	C	3	B	3	B
C.E.	3R	Desc Geo.			3	C		
Math	21	Calculus			Vis.			
Chem.	221	Organic.			3	B		

Remarks:- THIS STUDENT IS IN GOOD STANDING AT THE UNIVERSITY.

Certified as a Correct copy, dated 8-2-'49.

E B Christensen
Head, Dept. of Chemical Engineering,
University of Utah .

CPH
C2

Letter / Ref 79390 C2/48-5 Edn of 17.x.49

b
18/10

19/10

p 23 cf.

To

The Secy to the Govt of I.,
Ministry of Edn,
New Delhi 3.

Sir,

– Overseas Scholarships – 1947-8: Sri C. Venkatesan – Ref your letter no. F.4-2/5.8/47.S_2 of 20.9.49

I am directed to state that this Govt have no special remarks to offer on the scholar's progress report.

Y f.

103
14.x.49

Cm
15.x.49

17/10/49

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(17)

No. F.4-2/S-8/47-S.II.
Government of India
Ministry of Education.
New Delhi, the 15th November, 1949.

17 NOV 1949

From
The Secretary to the Government of India.

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

SUBJECT:-Scholarships for advanced studies Overseas Reports in respect of Provincial Governments Sponsored scholar~~s/Deputationists~~ in ~~U.K.~~/U.S.A./~~Australia/New Zealand~~.

90000

Sir,

I am directed to forward herewith for the information of the Provincial Government, a copy of the progress report in respect of Mr. C.Nenkatesan a Madras . Government 1947 sponsored scholar~~/deputationist~~.

~~The Provincial Government may kindly forward suggestions, if any, from the point of view of the employment of Mr. is expected to take up on his return.~~

Yours faithfully,
Vikram Singh 14/XI
(Vikram Singh)
for Secretary.

EPH
E2

I.K.14/11/49

'USS'
31/x/49

filed

19.11.49

19.XI.49

21/11/49

PROGRESS REPORT

FORM 4

NOTE TO STUDENTS

I. In every case, it is essential for you to state the degree, if any, for which you are studying. The likely date of taking the degree should in all cases be mentioned. If you are not studying for a degree, please mention the likely date when you hope to complete the course, of study you are pursuing. Where you have already taken a degree, please give the date of taking it, and state what you have been doing since taking the degree, and when you hope to complete the course, or training you are undergoing at present. Of the four copies that are being sent to you, three are to be returned; one is for your record.

II. This report must be submitted through your Professor or Supervising authority in-charge. (See reverse).

Name in Block Capitals Chandrasekara VENKATESAN. File No. G.743/47.

Scholarship/ Study Leave/ Deputationist Scholar.

SPONSORING AUTHORITY Govt. of Madras.

1. Date of arrival in U.S.A. September 9th '48.
2. Subject for which selected Chemical Engineering-Industrial and Applied Chemistry.

@ 3. Course of study or training undertaken Majoring in Chemical Engineering with a minor in Applied Chemistry.

4. Degree sought/~~obtained~~ M.S. in Chemical Engineering.
5. Approximate date of degree-award June 1950.
6. Institution in which student is pursuing study/~~training~~ Dept. of Chemical Engineering, University of Utah, Salt Lake City 1, Utah.

@ 7. Course of study or training attended during period under review Attended the Summer School during June to August. With this all the Undergraduate Requirements are complete, and purely Graduate work will be undertaken from the Fall Quarter, which commences on September 24th, 1949.

@ 8. All Examinations (including subjects) taken, with dates, and results. (In the final examination the degree or diploma obtained should be stated, with subjects taken, and honours, if any.) The grades obtained in the final examination, must be stated. Grades should be explained. Grades obtained during the Summer Session are herewith enclosed. "A" is Excellent, "B" is good, "C" for Undergraduate Courses, ie less than 200 in Number, is good enough.

Passed with 2.133 in Average.

3 Average is excellent
2 Average is good.

9. Any Prizes or other Distinctions Nil.
10. FOR STUDENTS TAKING PRACTICAL TRAINING:

Name of Concern:	Date of Joining:	Stay to last until:	Nature of Training:

PTO

11. This Report covers period beginning from June 1949 and lasting up to August 1949.

12. University or Institution Supervisor's Report on the work of the student during the period under review:

We believe that Mr. Venkatesan is progressing satisfactorily, as indicated by a grade-point average above two for the period under consideration.

Date October 6, 1949 Signature E B Christiansen
E. B. Christiansen, Head
Department of Chemical Engineering

13. Observations of the Education Department, Embassy of India.

Date ______ Signature 13/10/49

Signature of Student C. Venkatesan
Place Saltlakecity, Utah, U.S.A.
Date September 26th 1949.

UNIVERSITY OF UTAH.

Report Card:
SUMMER 1949.

Name: Venkatesan, Chandrasekara.
Class: Graduate.
School: Graduate.
Home Address: Vellore, Madras, India.

Subject (Dept.)	No.	Credit Hours.	Grade.
Chemical Engineering.	300	3	B
Mathematics Differential Equations.	141	4	A
Electrical Engineering	105	2	B
Electrical Engineering	107	2	B
Electrical Engineering	109	2	B
Electrical Engg. Lab.	104	1	C
Electrical Engg. Lab.	106	1	C
		15	

Total Points: (A-3, B-2, C-1) 32 Points for 15 Credit Hours.

2.133 Average.

3 Average: Excellent.
2 Average: Good.
1 Average: Medium.

Attested as True Copy
by

E. B. Christiansen
Head, Dept. of Chemical Engineering.

October 3rd 1949.

University of Utah,
Salt Lake City 1, UTAH.

F 13/10.

36

Chandrasekara Venkatesan,
File G.743/47.

Report on the Study-Tour undertaken during the period
August 30th '49-September 23rd '49.

1. Visited the University of Chicago on September 2nd., particularly the Department of Chemistry and Chemical Engineering.

2. Visited the Steel mills and Power plants of the Ford Motor Co., Detroit, Michigan. Hundreds of Freighters loaded with ore and coal supply Ford steel mills and power plants. The 1o Open-Hearth Furnaces at the Rouge Plant, having a capacity of 3,500 tons daily, and are in service 24 hours a day in making much of the steel for the Ford Products. They have also got Glass plant, Plastics plant, and a Steel Foundry plant. Visited on Sep. 6th.

3. Visited the Welland Chemical Works, North American Cyanamide, Niagara Falls, Ontario, Canada. on September 7th.

Fertilizers and Heavy-Chemicals.

Ammonia is produced by the following process: Mainly Carbon Monoxide from three Coke-producers is mixed with the Blue Water gas obtained by the intermittent process, so as to give an exit gas of Composition, CO 35%, Hydrogen 20%, and a lot of Carbon Dioxide. This gas is passed through Heat-Exchangers consisting of about 3000 Copper tubes, of 1" diameter each. This is then treated with Iron Oxide Catalyst. The Carbon dioxide content is reduced to about 4% by hot-water scrubbing. The Carbon Monoxide content is brought to about 10 parts in a million by treatment with Ammoniacal Cuprous Formate. After completely removing the Carbon Dioxide, the gas is compressed to about 1500# in Multi-Stage Compressors. This is done in 5 stages from 20# to 1500#. About 150 tons of gas are compressed per day.

Carbon-dioxide is tested by treatment with Barium-Hydorxide and making Conductivity measurements. Hydrogen and Nitrogen were tested similarly by Thermal Conductivity measurements. Ammonia was produced using Iron-Oxide Catalyst, at 4500#, and 500 deg. Cen.

Nitric Acid: The Ammonia was burnt with air in the presence of Platinum Catalyst, and Nitric oxides absorbed in water to form Nitric Acid.

Ammonium Nitrate: The Ammonia was treated with Nitric Acid and the Ammonium Nitrate formed was vacuum evaporated and crystallised.

Production of Ammonium Nitrate: 300 tons/day.

Sulphuric Acid; Sulphur dioxide and Oxygen, from burnt Sulphur ore, were passed over Vanadium Pentoxide Catalyst at high pressure and temp. The plant is capable of producing 280 tons of acid per day. The Sulphur Trioxide was absorbed in 98% acid.

Production of Sulphuric Acid: 180 tons/day.

4. Visited the Canadian Industries, Hamilton, Ontario, Canada, on September 8th.

Fertilizers and Heavy-Chemicals: Super-Phosphate Fertilizer was produced as follows:- Crushed Phosphate Rock ~~or~~ and a mixture of Calcium cyanamide, Ammonium Nitrate, and Potassium Sulphate and Chloride, was digested in Auto-Claves with 65% Sulphuric Acid under its own pressure and Heat of Reaction. The reaction takes about 24 minitues. After a series of Suction treatment to remove Silicon Tetra-Floride, it is sold as Super Phosphate, containing about 20% Phosphorus Pentoxide. The Phosphate Rock used has a composition of Tri-Calcium Phosphate 75%, Calcium Carbonate, Calcium Floride, and Silicon Oxide.

Production: 300 tons of Super-Phosphate/day.

Ammonium Chloride: Sulphur dioxide, Ammonia Gas, and Sodium Chloride are digested. Ammonium Chloride and Sodium Sulphite are formed. At 65 deg. Sulphite is taken out, and at 15 deg. Na Cl is crystallised out.

The Ammonium Chloride is removed by Vacuum Crystallizer, high pressure Steam blown in with Ventury Effect.

Sulphuric Acid: Same process as in the Welland Chemical Works, using Vanadium Pentoxide Catalyst.

Production: 350 tons/day.

Zinc Chloride: The Zinc Oxide Ores were treated with H Cl acid. The Zinc Chloride was treated with Sodium Chlorate for Iron Oxidation, then Barium Chloride for removing Sulphate. Finally filtered in Filter-Presses.

C.P.Acids. For C.P.HydroChloric acid, the ordinary acid was boiled in Glass and Tantalum Vessels and condensed. Constant-Boiling mixture was formed. For C.P.Sulphuric Acid, the ordinary acid containing Sulphur Trioxide was boiled in Oil-heated furnaces. The excess Sulphur Trioxide was condensed, reboiled and allowed to react with water, in Platinum-Gold tube to form Sulphuric acid. Tt is then passed through a Cascade system. 97% acid is produced by this method.

Insecticides: 2:4 D, Dichlor Phenoxy Acetic Acid and "Derris" are manufactured.

5. Visited the Monsanto Chemicals(Canada) Ltd.,Montreal, Canada, on September 12th.

Caffeine: Theobromine from Chille, was dissolved in Alkali and methylated using Methyl Chloride in Autoclaves, under controlled Ph. It was cooled and the concentrated liquor extracted with Tri-Chlor-Ethylene. Monsanto Press and Kelly Filters are Special features during filtration.

Production: 10,000 #/~~da~~ month.

Pyridyl-Mercuric Acetate produced by treating Pyridine with Mercuric Acetate. Used for Slime-control in Paper mills.

Also, various Chlor-Phenols, Bismuth salts, and Cobalt salts are manufactured.

6. Visited the Shawanigan Chemical Works, Shawanigan Falls, Quebec, Canada, on September 15th.

Carbide Plants: One of the World's largest producing 500 tons of Carbide per day.

Lime Kilns are used for burning lime. Mixture of Limestone, Coke dust, and water called "Brickets" are charged in the furnace. 2000# of Steam per ton of lime burnt, is formed as bi-product. The lime-Kilns are 125 ft. long and 8 ft. in diameter. They are heated by pulverised Coal to a temperature of 2300 deg. F. The other method of heating the kilns, is by the Volatile gases from heated Bituminous Coal. About 40 tons of Bituminous Coal per day are used for this purpose. There are about 8 kilns with a production of about 1000 tons per day. For the production of Carbide, there are 7 12,000 K.W. 3 Phase Furnaces. The Electrodes are 39" to 50" in diameter. The Electrode is made of a mixture of Calcined coal, Coke-fine, pitch and tar. The Carbide is then left in pits for about 24 hrs. and then broken to smaller bits.

Chemicals: Acetylene is hydrated in the presence of Mercuric Sulphate Catalyst to form Acetaldehyde, which is oxidised in the presence of Manganese Acetate to form Acetic Acid. The Oxidation is carried at 60 deg. C. and 80# pressure. 97% conversion. About 10,000,000 # of Acetic acid per month are produced by this method.

38 ㉔

Acetone: Acetylene and steam in the presence of patented catalyst react in molten-Salt bed at 400 deg. C. to form Acetone Still Excellent conversion. 400,000-700,000 # are produced per month, by this process.

Other Chemicals. The Acetaldehyde produced was condensed to form Aldol, which was cracked to Croton, which is hydrogenated to Butyraldehyde or Butyralcohol.

Acetylene in the presence of a catalyst reacts with Acetic Acid to form Vinyl Acetate, which can be polymerized to resin. This resin can be hydrolyzed to poly-vinyl alcohols which is another type of very hard resin.

The Vinyl Acetate is Co-polymerized with Vinyl Chloride to form Vinylyte used for insulation purposes and as a base for paints.

For all these purposes, pure Acetylene is used, obtained by passing commercial Acetylene through 73% Sulphuric Acid, counter-currently.

7. Visited the Chemical Engineering Dept. of the Brooklyn Poly Technic Institute, New York, N.Y. on September 17th.

September 26th '49.

C. Venkatesan.

Dept. of Chemical Engineering,
University of Utah,
Salt Lake City 1, UTAH.

38

B

(25)

AS II

No. F.4-2/S-8/47-S.II,
Government of India,
Ministry of Education,

New Delhi 3, the 25th November, 1949.

From

The Secretary to the Government of India.

To

ASST. SECRETARY TO GOVERNMENT
27 NOV 1949
EDUCATION AND PUBLIC HEALTH DEPT.

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

SUBJECT:- SCHOLARSHIPS FOR ADVANCED STUDIES
OVERSEAS MADRAS GOVERNMENT 1947
SPONSORED SCHOLAR. MR; C.VENKATESAN.

9279

Sir,

In continuation of this Ministry letter of even number dated the 15th November, 1949 on the above subject I am directed to forward herewith a copy of letter No. G.743/47 dated the 7th November, 1949 along with a copy of its enclosure since received from His Excellency the Ambassodar for India in the United States of America, Washington for your information and necessary action. Your answer in the matter may kindly be furnished to this Ministry urgently.

p 30 ante

p 39 infra

Yours faithfully,

Vikram Singh 25/xi

(Vikram Singh)
for Secretary.

Copy of the letter No. G.743/47, dated the 7th November, 1949, from the Education Secretary, Embassy of India in the U.S.A., to the Secretary to the Government of India, Ministry of Education, New Delhi.

Subject:- MR. C. VENKATESAN - 1947-48 MADRAS SCHOLAR.
YOUR REFERENCE NO.F.4-2/S-8/47-S.2.

I am directed to enclose two copies of Mr. Venkatesan's letter of October 30, 1949, with the request that the student's plan of work from June till September, 1950, may kindly be intimated.

p40 infra

Your attention is particularly drawn to the last sentence of the student's letter which deals with the possibility of his doing training in the U.K. If no instructions to the contrary are forthcoming, attempts will be made to arrange practical training as per requirements already made known vide your letter of January 17, 1949.

p17 ante

.....

✓

Taneja 22.11.49

C. Venkatesan
Dept. of Chemical Engineering
University of Utah
Salt Lake City 1, Utah

October 30, 1949

First Secretary
Education Department
Embassy of India
Washington, D. C.

Dear Sir: Re: File G.743/47

Thank you very much for your letter dated October 14, 1949, enquiring about my practical training plans.

I think you are aware of the fact that I graduate in June 1950 and hence there are no plans until that time. From June to September 1950, I sincerely wish to make the best use of my stay in this country, by getting into a really good factory, and better appreciate what all I have learnt in the University. My professor, Dr. E. B. Christiansen, has no specific plans, and I don't know what he will do. Under the circumstances, I will very much appreciate if the Embassy also takes pains to get a really good place for my taking practical training, particularly in the manufacture of fertilizers and heavy chemicals.

Further, it is becoming increasingly difficult to get in to some of the top-ranking factories in the U.S. with the result that we may have to go to a place of less importance, where we don't learn very much. I had been selected for studies in U.K. and owing to admission difficulties there, the Government sent me here. Would it be possible for you to consider whether I can go to England in June 1950, and take my practical training there with the Imperial Chemical Industries, or some other place which the Government deems fit?

Yours sincerely

"C. Venkatesan"

41 (2A) EP4/9

Letter/ Ref 79390 D/48-7 Edn of 21.12.49

To

The Secy to the (G of I),
Ministry of Edn.
New Delhi. 3.

38/22/12

Sir,

Overseas Scholarships - 1947-8.
Sri C. Venkatesan - Ref your letter No. F.4-2/5.8/47 S2 of 25.11.49

p 38 c.f.

23/12

I am directed to state that practical training as indicated in this Govt's letter No. 79390 C2/48.3 Edn of 3.1.49 may kindly be arranged for the scholar in any of the institutions in the U.S.A after completion of his M.S. course.

p 15 c.f.

Y.f.

19.12.49 20.12.49 21/12/49

42

29

12 JAN 1950

BY AIRMAIL.

NO.F.4-2/S.8/47 SII.
Government of India,
Ministry of Education,
New Delhi 3, the 6th JANY. 1950.

From

The Secretary to the Govt. of India.

To

The First Secretary,
Education Deptt., Indian Embassy,
2107 Massachusetts Avenue, Washington D.C.

SUBJECT: SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS 1947/48 MADRAS GOVT. SPONSORED SCHOLAR MR. C.VENKATESAN.

2904

Sir,

In continuation of this Ministry endorsement of even number, dated the 25th Nov., 1949, on the subject mentioned above I am directed to state that the Provincial Govt. have since informed this Ministry that the practical training as suggested by them in their letter No.79390.C.2/48-3-Edn, dated the 3rd Jan., 1949 - a copy of which has already been furnished to you *vide* this Ministry letter of even number, dated the 17th Jan., 1949 - may kindly be arranged for the scholar in any of the institutions in the U.S.A. after completion of his M.S. Course. It is requested that the necessary arrangements may please be made.

Yours faithfully,

SD/...

(D.MADHAVI)
for Secretary.

@@@@

p 41 ante

Copy forwarded for information to the Secretary to the Govt. of Madras, Education and Public Health Dept., Madras, with reference to his letter No.79390 I/48-7 Education, dated the 21st Dec. 1949.

By order,

D. Madhavi.

(D.Madhavi)
for Secretary.

@@@@

EPH
9

Filed.

12.1.50

12.1.50

16/1/50

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43/ g

(30)

ASSISTANT SECRETARY
EDUCATION DEPARTMENT
17 MAR 1950
3153

No. F.4-2/S.8/47 S.2
Government of India,
Ministry of Education,

New Delhi 3, the 16th March 1950.

From

The Secretary to the Government of India.

To ✓

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

Subject: Scholarships for advanced studies overseas - Madras Government 1947 sponsored scholar - Mr. C. Venkatesan.

* * *

Sir,

p42 ante
p45 infra

In continuation of this Ministry endorsement of even number dated 6th January 1950 on the above subject, I am directed to forward herewith a copy of endorsement No.G.743/47 dated 16th February 1950 since received from ~~the~~ H.E. the Ambassador for India in the U.S.A. Washington for your information and necessary action, if any.

Yours faithfully,
D. Madhavi.
(D. Madhavi)
for Secretary.

Bakhshi xv/iii.

Copy

Our File No.G.743/47
February 16, 1950

Mr. H.P.Eastman,
President,
North American Cyanamid Limited,
30 Rockefeller Plaza,
New York 20, N.Y.

Dear Mr. Eastman,

This will acknowledge with thanks your letter of February 1st, concerning Mr. C. Venkatesan for whom we sought Practical training facilities with the North American Cyanamid Limited.

Permit me to explain that Mr. C. Venkatesan is a Government of India sponsored scholar. This, of course, means Government of India is training this student here for its own specific purposes and the intension is for him to be given suitable employment under a Government agency on his return to India. It would, therefore, be true to say that Mr. Venkatesan's services will be utilized by Government and from that to infer that it is more than likely that he will be employed by a firm in which Government is vitally interested. I was, therefore, wondering whether you could consider giving Mr. Venkatesan training we desire him to obtain.

Needless to add we would be very grateful for help extended by you.

With best wishes.

Yours very truly,

Sd. P. Gangulee.

Copy forwarded to the Secretary, Government of India, Ministry of Education , --- Your reference No.F.4-2/S.8/47 S.II.

Two copies of Mr. Eastman's letter attached herewith. Please note that it is very difficult to arrange training of students in Chemical Engineering (fertilizers and high explosives) and if possible please contact the Chemical Construction Corporation who may be asked to write to us proposing the name of Mr. Venkatesan for training with North American Cyanamid. As the position at the moment is we have sought this training to begin on June 8th and end of September 8th, 1950.

It is to be noted that if no practical training arrangements can be made by June there will be no alternative but to return student to India.

Sd. P.Gangulee.

(G) Edn As I

IMMEDIATE

(32)

NO.F.4.2./S.8/47.S.2.
Government of India,
Ministry of Education,

New Delhi 3, the 6th - APL., 1950.

ASSISTANT SECRETARY
8 APL 1950
EDUCATION DEPARTMENT

From

The Secretary to the Govt. of India.

To

The Secretary to the Govt. of Madras,
Deptt. of Education & Public Health,
MADRAS.

6270

SUBJECT: SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS, 1947-48 GOVT. OF MADRAS SPONSORED SCHOLAR, MR. C.VENKATESAN.

Sir,

pp 43-45 ante

In continuation of this Ministry letter of even No., dated the 16th March, 1950 on the above subject I am directed to forward herewith a copy of letter No.G.743/47, dated the 17th March, 1950, received in this Ministry from the Indian Embassy in Washington. It will be observed therefrom that it is not possible to make any arrangements for the practical training of the scholar after June, 1950. The State Govt. are now requested to examine the case from the point of view of the employment that the scholar is to hold on return to India and inform this Ministry immediately as to whether Mr. Venkatesan be called ~~af~~ back after the completion of his present programme of training which ends early in June, 1950.

p 49 infra

pp 51-55 infra

2. A copy of the progress report of the scholar is sent herewith for the information of the State Govt.

Yours faithfully,

D. Madhavi

(D.Madhavi)
for Secretary.

COPY of letter No.G.743/47, dated 17th March,1950, from Indian Embassy, Washington, to the Ministry of Education.

...

MR. C.VENKATESAN - 1947/48 MADRAS SCHOLAR
YOUR REF: NO. F.4.2/S.8/47 SII.

Please refer to endorsment of this office letter dated Feb. 16, 1950 indicating that practical training appears to be very difficult to arrange.

p.45 ante

Orders are requested as to what should be done in case no further arrangements are possible beyond the programme thus far drawn up and which ends early in June.

The North American Cyanamid Ltd. have written to say that they cannot consider Mr. Venkatesan's application for training in one of their plants.

..

57

(34)

PROGRESS REPORT

FORM 4

NOTE TO STUDENTS

I. In every case, it is essential for you to state the degree, if any, for which you are studying. The likely date of taking the degree should in all cases be mentioned. If you are not studying for a degree, please mention the likely date when you hope to complete the course, of study you are pursuing. Where you have already taken a degree, please give the date of taking it, and state what you have been doing since taking the degree, and when you hope to complete the course, or training you are undergoing at present. Of the four copies that are being sent to you, three are to be returned; one is for your record.

II. This report must be submitted through your Professor or Supervising authority in-charge. (See reverse).

Name in Block Capitals CHANDRASEKARA VENKATESAN File No. G.743/47

Scholarship/ Study Leave/ Deputationist Scholarship

SPONSORING AUTHORITY Madras Govt., India

1. Date of arrival in U.S.A. September 9, 1948

2. Subject for which selected Chemical Engineering

@ 3. Course of study or training undertaken Chemical Engineering major, with a minor covering Industrial & Applied Chemistry

4. Degree sought/obtained No change

5. Approximate date of degree-award No change

6. Institution in which student is pursuing study/training No change

@ 7. Course of study or training attended during period under review Working toward the masters degree in Chemical Engineering

@ 8. All Examinations (including subjects) taken, with dates, and results. (In the final examination the degree or diploma obtained should be stated, with subjects taken, and honours, if any.) The grades obtained in the final examination, must be stated. Grades should be explained. Separate sheet attached.

9. Any Prizes or other Distinctions --

10. FOR STUDENTS TAKING PRACTICAL TRAINING:
Name of Concern: Date of Joining: Stay to last until: Nature of Training:

11. This Report covers period beginning from September, 1949 and lasting up to December, 1949.

12. University or Institution Supervisor's Report on the work of the student during the period under review:

We believe that Mr. Venkatesan's work to date has been fairly satisfactory and that he will probably finish work leading to the masters degree in chemical engineering in June of this year.

Date March 8, 1950 Signature E B Christiansen

13. Observations of the Education Department, Embassy of India.

Mr Venkatesan intends to go in for Practical training from June to September if Govt approves

Date ______ Signature ______

Signature of Student C. Venkatesan

Place Salt Lake City, Utah

Date March 6, 1950

University of Utah
Department of Chemical Engineering

Grade Report of CHANDRASEKARA VENKATESAN

Fall, 1949-50

Course	Credit	Final Grade
Ch.E. 253	3	B
Ch.E. 251	3	C
Ch.E. 257	3	A
Ch.E. 300 (Thesis)	3	Credit to be given at completion of thesis work
Chemistry 260	3	A

Total of 12 credit hours
Grade Point average = 2.25

Scale: 2.0 average = Good
3.0 average = Excellent

E B Christiansen
Head of Dept.

ADDITIONAL INFORMATION FROM ALL GOVERNMENT STUDENTS

1. What degree did your sponsoring Government want you to obtain and have you obtained it? M.S. in Ch.E. Expect to graduate in June, 1950.

   (a) If so, please give the date:

   (b) If not, please state when you expect to get the degree: June, 1950.

2. Has your Sponsoring Government asked you to undergo practical training after the completion of your courses? Yes.

   (a) If so, give details and indicate the extent to which you have already received this training. Practical training in the manufacture of fertilizers and heavy chemicals. Dr. E. B. Christiansen recommended the names of some firms to the Education Department, Embassy of India, and they are trying to arrange for the practical training.

3. When do you expect to complete all your practical training? By September, 1950.

G. Venkatesan.

[redacted]

Memo No. 32305 D2/50-1 dt 12-4-50.

Sub:- Advanced Studies - Overseas - 1947-48 Mr. C. Venkatesan - Madras Govt, Sponsored ~~Govt~~, scholar.

Ref:- From the D.D.Sc. letter No. 2344 E1/48 dt 10-12-48.
From the Govt, of India Ministry of Education
New Delhi letter No. 7-4-2/S.8/47-S.2. dt 6-4-50.

p 13 cf
p 47 cf
p 49-55 cf

Copy of the Govt. of India's letter cited together with copies of its enclosures is sent to to the D.D.Sc. for immediate remarks

12.4.50

To
The D.D.Sc.
with a copy of
pp 47-55.

12/4/50. 12.4.50

14/4

R. 25-4-50.

(38)

Dev. 37458 DI/50
28.4.50

Industries & Commerce Department.

From
The Director of Industries
and Commerce,
Macays Gardens, Madras.6.

To
The Secretary to Government,
Development Department,
Fort St.George, Madras.

-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v-v;v-v-v-v

No.2357.E1/50.dated 25-4-50.

FIFTH ASSISTANT SECRETARY TO GOVERNMENT
28 APL 1950
DEVELOPMENT DEPARTMENT

Sir,

Sub:-- Advanced studies - Overseas - 1947-48.
Mr.C. Venkatesan Madras Government
Sponsored Scholar.

P.57 above

Ref:-- Govt.Memo.No.32305 DI/50-1 Development
Department dated 12-4-50.

If facilities to give practical Training to Sri C. Venkatesan are not available, he may be asked to return to India. On his return he may be asked to see Director who may then decide the question of his employment in Government or release him.

S. R. Srinivasan.
for Director of Industries & Commerce.

TRS/26/4.

TR
26/4/50

ASSISTANT SECRETARY
5 MAY 1950
EDUCATION DEPARTMENT

No.F.H-2/S-8/47.S.2. 60
Government of India.
Ministry of Education.
New Delhi, the 3rd May ~~1949~~ 1950 (39)

From

[illegible].,
Secretary to the Government of India.

10156

To

The Secretary to the Government of Madras
Education Department,
Madras.

SUBJECT:- SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS
1947-48 GOVERNMENT
Madras SPONSORED
SCHOLAR/[illegible]
MR. C. VENKATESAN.

Sir,

I am directed to refer to this Ministry/letter/ ~~endorsement~~ of even number dated 11th 6th April 1950 on the above subject and to request the favour of an early reply.

Yours faithfully,

for Secretary.

61

Letter /Ref. No. [illegible] dated [illegible]

To

The secretary to the Govt. of India
Ministry of Education,
New Delhi.

Sir,

Sub: Overseas Scholarships Scheme –
1947-48 – [illegible] C. Venkatesan

Ref: Your letter No. F 4-2/S-8/47-52
dated 6-4-50.

I am directed to state that in the circumstances reported by the Indian Embassy Washington in their letter No. G. 743/47 dated 17-3-1950 Mr. C. Venkatesan may be called back to India, after the completion of his [illegible] programme of training [illegible]

62

Education (G)

Issue today
11/5

Letter /Ref. No. 79390 G/48-10 Edu., dated 11-5-50

(40)

To

The secretary to the Govt. of India,
Ministry of Education,
New Delhi.

Despatched
11/5

Sir,

Sub: Overseas Scholarships ~~Scheme~~ –
1947-48 – ~~Sri~~ Mr. C. Venkatesan

Ref: Your letters No. F 4-2/S-8/47-52
dated 6-4-50 & 3-5-50.

pp 47-56 7
60 C/F

I am directed to state that in the circumstances reported by the Indian Embassy, Washington in their letter No. G. 743/47 dated 17-3-1950, Mr. C. Venkatesan may be called back to India, after the completion of his ~~present~~ programme of training which ends early in

p. 49 C/F

63

-2-

June 1950.

Yours ffly.

8/5/5
Cua
11.5.50

OM
11/5/50

64

(41)

ASSISTANT SECRETARY
25 APR 1950
EDUCATION D...

38627

No.F.4-2/S.8/47-S.2,
Government of India,
Ministry of Education,
New Delhi 3, Dated the 24th April, 1950.

8481

From

The Secretary to the Government of India.

To

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

SUBJECT: SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS - MADRAS GOVT . 1947 SPONSORED SCHOLAR,,---- MR. C. VENKATESAN...

Sir,

In continuation of this Ministry letter of even number dated the 16th March, 1950 on the above subject, I am directed to forward herewith for the information of the State Government a copy of Mr. Eastman's letter referred to in the endorsement No.G.743/47 dated the 16th February, 1950 of the Indian Embassy in Washington to this Ministry, copy already supplied to the State Government with this Ministry letter under reference.

not put-up

Yours faithfully,

D. Madhavi.

(D. MADHAVI.)
for Secretary.

OM/19/4

Edn. Deptt. (K)

Edu. U.O. 79390/G/48-9
1-5-50.

K| The main file ~~of~~ regarding the scholar ~~is~~ sent to Dev. U.O. on 11-4-50. This may be ~~filed, with the main file, after its~~ sent ~~return~~. them in continuation.

FIFTH ASSISTANT SECRETARY TO GOVERNMENT
2 MAY 1950
DEVELOPMENT DEPARTMENT

26/4.
Cua
28.4.50.

OM
30/4/50
Dev

65

Dept (DI) Deptt

The main file referred to by Education at K on p. 1 above was returned to Education on 4/5/50 with this dept's u.o. no. 32305 DI/50-1 dated 4/5/50. This may also be returned to Education in Continuation

Edn.

KL
6.5.50

8.5.50

Misc. approval

Another below

Dept. U.O. No.
38627 DI/50-1
8/5/50

G 66

COPY

(42)

NORTH AMERICAN CYANAMID LIMITED
Royal Bank Bldg
Toronto, Canada.

ASSISTANT SECRETARY
0 MAY 1950
10688
EDUCATION DEPARTMENT

30 Rockefeller Plaza
New York 20, N.Y.

February 1, 1950.

Mr. P Gangulee,
Education Department
Embassy of India
2107 Massachusetts Ave, N.W.
Washington, D.C.

Dear Sir,

We note from your letter of January 18th to Mr. Booker, the desire of Mr. C Venkatesan for practical training in our ammonia plant in Canada. If it is the intention of the Indien Government to use Mr. Venkatesan in the operation of one of the plants built by our associate, Chemical Construction Corporation, we would consider it desirable to provide such a training opportunity.

We would be unable, however, to make this training available to an applicant on a personal or individual basis. If it's the wish of the Indian Government to make such a request, we will be very happy to take the matter under consideration.

Very truly yours

Sgd. H.P. Eastman
President

cc: Mr. H. K. Booker.

hpe-mes

63

the m[illegible] file referred to by education on p.1 above was returned to Education on 4/5/50 with this dept's u.o. No. 33[illegible] dated 4/5/50, may also be referred to Education.

G 68

(43)

SAVINGRAM.

From........ The Secretary to the Govt. of India,
Ministry of Education, New Delhi.

To.......... The Education Secretary,
Embassy of India,
2107 Massachusetts Avenue N.W.,
Washington, D.C.

ASSISTANT SECRETARY
EDUCATION DEPARTMENT
16 MAY 1950
11521

Ref:- No.F.4-2/S-8/47.S.2

SUBJECT:- Mr. C. VENKATESAN, 1947-48 Govt. of Madras sponsored scholar.

REFERENCE OUR ENDORSEMENT OF EVEN NUMBER DATED THE 6TH APRIL 1950 ON THE ABOVE SUBJECT. UNDER THE CIRCUMSTANCES REPORTED IN YOUR LETTER NO. G.743/47 DATED 17TH MARCH 1950, MR. C.VENKATESAN SHOULD RETURN TO INDIA IMMEDIATELY AFTER COMPLETION OF HIS PRESENT PROGRAMME OF TRAINING WHICH ENDS EARLY IN JUNE 1950. KINDLY ARRANGE HIS RETURN PASSAGE ACCORDINGLY

....

The issue of the above has been authorised

(Mrs. D.Madhavi)
for Secretary
13-5-1950.

...

Copy to the Secretary to the Government of Madras, Education Department, Madras, with reference to his letter No.79390-G/48-10, Education, dated the 11th May 1950.

pp62-63 ante

By order,

D. Madhavi

(Mrs. D.Madhavi)
for Secretary.

Edu. dept. (Ov)

May be filed

Rsn
16/5/50

Rg
16/5/50

16/5/50

69 AS II

BY AIR MAIL

(44)

No:F.4-2/5-8/47-S.II.
Government of India,
Ministry of Education,

New Delhi 3, the 2nd June, 1950.

From

The Secretary to the Government of India.

To

ASSISTANT SECRETARY
14281
4 JUN 1950
~~14197~~
EDUCATION DEPARTMENT

✓ The Secretary to the Government of Madras,
Department of Education,
Madras.

SUBJECT:-SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS MADRA
GOVERNMENT 1947 SPONSORED SCHOLAR MR.C.VENKATESH

Sir,

In contination of this Ministry endorsement of even number dated 13th May, 1950, on the above subject I directed to forward herewith a copy of letter No.G.743/47 dated 16th May, 1950, alongwith a copy of its enclosure since received from ~~the~~ H[illegible] Excellency the Ambassador for India in the United States of America, Washington for your information and necessary action. Your reply in the matter may kindly be furnished to the Indian Embassy Washington, direct by Cable-gram under advise to this Ministry.

[illegible]
[illegible]

Yours faithfully
Vikram Singh 4/6
(Vikram Singh)
for Secretary

Copy of letter No.G.743/47 dated May 16, 1950, from the Education Secretary, Embassy of India the United States of America, Washington D.C. to the Secretary to the Government of India, Ministry of Education, New Delhi, India.

Subject;- Mr.C.Venkatesan-1947-48 Madras Government Scholar
(Your Ref:F.4-2/S.8/47.S.2)

---

p 49 ante 17

In continuation of my letter of even number dated March 28th, I am directed to bring to your notice the fact that Mr.C.Venkatesan Can conceivably obtian practical training with the Bureau of Mines or the Fertilizer Project operated by the Tannessee Valley Authority in the South in case it is not possible to effect entry into the Massachusetts Institute of Technology which runs a special course in Industrial Engineering which is equivalent to practical training in industry. In this connection a copy of the student's letter dated May 10th is enclosed for information.

p 73-75 infra

2. It will be recalled that it has been extremely difficult to place this student with a factory thus far and the alternatived are now limited to Government agencies - that is, if the M.I.T.idea does not find accepteance or proves unavailable.

3. The student has represented that he has not completed his thesis and would therefore have to stay at the University unt the middle of July. This would again limit the period of available scholarship to two months. It is presumed that Government will approve of his being sent to obtain training with the Bureau of Mines. Should that not succedd, the T.V.A. will be approached in due course.

4. A very early reply will be greatly appreciated, Passage arrangements are practicularly difficult to make during this time of the year.

COPY

C. Venkatesan, File: G 743/47
Dept. of Chemical Engineering
University of Utah
Salt Lake City 1, Utah.

May 10, 1950

Education Secretary, Embassy of India
2107 Massachusetts Ave.,
Washington, D.C.

Dear Sir,

Ref: Your letter dated May 4, 1950.

I am very sorry to learn that your efforts in trying to secure me practical training with some industries have not been very successful. I came to know of it only today through your letter. Mr professor thought that we have to wait until we hear from you about your efforts, and hence he did not try elsewhere.

My professor thinks that especially after an extensive course in Chemical Engineering in the University, it will be very good for me to take at least a course in the practical aspects of Chemical Engg., in a technical institution like M.I.T. in Cambridge, Mass. In M.I.T. the Dept of Chemical Engg. operates an Industrial School where graduates in Chemical Engineering are taken in and given an extensive practical training. Doctor Normon W. Ryan, Sc.D (M.I.T.), Associate Professor of Chemical Engineering, University of Utah, opines that if the Embassy of India writes to M.I.T. immediately and find out if they will take an Indian student with M.S. Ch.E. from this University in their Industrial School (Operated by the Dept of Chemical Engg.), he will write to the authorities concerned about my qualifications and abilities. Doctor Ryan considers that Caltech and M.I.T. give additional courses in Industrial Engineering which are equivalent to practical training in an industry. Hence I request you in this connection, if you approve of it, to write to M.I.T. and find out if they will take me in their Industrial school for practical training or for a course in a branch of Industrial Engineering.

I shall also request my professor to write to some other Industrial concerns. The Embassy had also written to Doctor E.B. Christianson, Head of Dept of Chem. Engg. University of Utah., that my practical training may be arranged either in the manufacture of Fertilizers and Heavy Chemicals or in some other field which he deems fit. Hence I take if for granted that we can try in some other field also. That is what my Professor told me.

Furthermore, due to some experimental difficulties on the way I had to repeat some of my data for the Thesis which is part of the course for M.S. Ch. E. and hence I think that I may have to stay in the University of Utah till the middle of July. I am writing a separate letter to you in this connection.

I once again request you try for my practical training, if you can't get in M.I.T., in the Bureau of Mines, U.S. Dept of Interior, or the fertilizer project operated by the T.V.A. in the south.

Hoping to hear from you soon and thanking you,

Respectfully yours,

Sgd. C. Venkatesan.

76

77

(48)

EDN. DEPT.

DRAFT CABLEGRAM.

Immediate

Dh. cablegram at 4.20 P.M. 12/6

INDEMBASSY

WASHINGTON

p. 71 CF

REFERENCE (your letter) G 743/47 DATED SIXTEENTH MAY REGARDING C VENKATESAN MADRAS GOVT SCHOLAR STOP GOVT DECLINE RECONSIDERATION (of) PREVIOUS DECISION STOP SCHOLAR SHOULD RETURN (to) INDIA AFTER COMPLETION (of) PRESENT TRAINING IN JUNE 1950

"MADRASEDUCATION"

Despd by Air Mail 12/6.

The Ist Secy Edn Deptt Indian Embassy Washington D.C.

P.C. to go by Air Mail.

Copy to the Secy. to the Govt.
of India, Ministry of Edn.,
New Delhi-3.

Rsr 10/6/50

10/6/50

12/6.

78

79 **IMMEDIATE**
BY AIR MAIL

(49)

No:F.4-2/S-8/47-S.II.
Government of India,
Ministry of Education,

New Delhi 3, the 20th June, 1950.

From

The Secretary to the Government of India.

ASSISTANT SECRETARY
23 JUN 1950
16920
EDUCATION DEPARTMENT

To

The First Secretary,
Education Department,
Indian Embassy, 2107 Massachusetts. Avenue,
Washington D.C.,

SUBJECT:-SCHOLARSHIPS FOR ADVANCED STUDIES OVERSEAS 1947-48
MADRAS GOVERNMENT SPONSORED SCHOLAR MR.C.VENKATESH

Sir,

I am directed to refer to your letter No.G.743/4 47 dated 24th May, 1950, on the subject mentioned above and to invite your attention to the State Government Cablegram dated 12th June, 1950 sent to you direct. In view of this I am to request you to make necessary arrangements to send the scholar back to India after July, 1950, when the scholar completes his present training.

Cf p 83 below

Yours faithfully

for Secretary

Copy forwarded for information to the Secretary tothe Government of Madras, Education Department, Madras with reference to the post copy of his cablegram dated 12th June, 1950. A copy of the application for extension of the period of scholarship together with a copy of the scholar's letter received through the Indian Embassy Washington is forwarded herewith for his information. It is presumed that the State Government will have no objection to allow the scholar to stay in the U.S.A., upto the end of July, 1950, when he completes his present training. Kindly confirm urgently.

p. Note

By Order

for Secretary

R.K.19/6/50

80

81

(50)

OVERSEAS SCHOLARSHIPS (CENTRAL/PROVINCIAL FORM 9

APPLICATION FOR EXTENSION OF PERIOD OF SCHOLARSHIP

(To be filled in triplicate)

N.B. This application must be made in time so as to reach the Government of India, Ministry of Education at least three months before the expiry of the sanctioned period of scholarship.

1. Name of the Scholar. Chandrasekara Venkatesan.

2. Sponsoring Government. (with year of selection in brackets.) Madras Govt., (1947)

3. Date of commencement of scholarship (Date of arrival in U.K./U.S.A.) September 9, 1948.

4. Date of normal termination of scholarship. September 8, 1950.

5. Approved course of study: Chemical Engineering.

6. Details of the courses expected to be completed upto the date of normal termination of scholarship. (Give full details and if the space is insufficient separate sheet may be attached.

Institution or University attended. (1)	Date of Joining. (2)	Date of Leaving. (3)	Subject with exact branch. (4)	Some details of the course. (5)	Degrees, diplomas or certificates if any, obtained. (6)
(a) Academic courses.					
University of Utah, Salt Lake City, Utah.	Sept. 1948.	-	Chemical Engg., major, with Industrial and Applied Chem.	-	Master of Science in Chemical Engineering to graduate in the end of July (Maximum period)
(b) Practical training.					
			Nil.		

7. Final date upto which extension is required. November 1950.

8. Reasons why extension is considered essential. I thought I would be graduating by the middle of June 1950, which would leave me 3 months for taking subsequent practical training in an industry. Owing to technical difficulties I couldn't finish my thesis work early enough in approved form, to graduate in June. Hence I think I will be able to finish all my work in the University only by the middle or end of July and leave the University to take my Practical training, for 3 more months.

8

9. Details of the work to be done during the period of extension (give full details)

Institution or University to be attended.	Duration From	Duration To	Subject with exact branch	Details of the course to be followed.	Degree, diplomas or certificates if any, to be obtained.
(a) Academic courses.					
University of Utah.	-	July	Chemical Engineering	Continuation of the thesis work and complete it.	M. S. Ch. E.
(b) Practical Training.					
	July end or Aug.	Oct.	Practical training in the manufacture of Fertilizers and Heavy Chemicals.		

Signature of the scholar C. Venkatesan

10. Recommendations of the Professor, or other University authority supervising the work of the scholar.

I recommend that Mr. Venkatesan be permitted to continue his graduate work at the University of Utah until the end of July, 1950, in order to complete his experimental investigation. I also believe that it would be of value to Mr. Venkatesan to spend two or three months at some industrial plant before leaving the United States if this can be arranged.

11. Recommendations of the Embassy.

E. B. Christiansen
E. B. Christiansen, Head
Department of Chemical Engineering
University of Utah

Decision on the application.
(to be filled in by the Ministry of Education.)

IDNS
LOOVD.

C O P Y

83

(51)

C Venkatesan
Dept of Chem. Engg
University of Utah
Salt Lake City 1, Utah.

May 17th 1950

Education Secretary
Embassy of India
Washington, D.C.

Dear Sir,

I am herewith submitting the forms for an extension of my scholarship period for 2 months more, which was not foreseen by me due to some of the following reasons:-

I thought I shall be graduating in June, and so was my professor. Graduate Research is part of the course towards M.S.Ch. E. It is an investigation directed towards the development of new methods and knowledge in a selected phase of Chemical Engineering. My Thesis work is an investigation on the Heat-Transfer to Falling Liquid Films, which can be of considerable interest and importance in the future industrial developments. My experiments are all being conducted on a semi-pilot plant scale and I am studying the various factors involved in it. Somehow some technical complications developed last month, and hence my Research work has to be extended for a month more. Since I can't graduate unless I finish my Research work, my graduation is also postponed by a month. Hence I shall be able to finish all my work and leave the University only by the middle or end of July, for taking subsequent practical training in an industry. My professor is very confident of placing me in some useful industry, and also feels that practical training after my academic training will be very useful for me. I am also awaiting a reply from the Embassy about my practical training in the M.I.T.

Hence under the circumstances, I shall be highly thankful if this extension is granted to me.

Thanking you,
Respectfully yours,

C O P Y

C. Venkatesan.

(52) 85

Edn.Deptt.(G)

Letter/Ref.No.79390 -/48-13Edn. d/ 13-7-50

Despatched

1/5 14/7

15/7

To
The Secretary to the Govt.of India,
Ministry of Education,
New Delhi-3.

Sir,

Sub: Overseas Scholarships Scheme-1947-48-
Sri C. Venkatesan.

Ref: Your letter No.F.4-2/S-8/47-SII dated 20-6-50.

p794

This Govt.have no objection to ~~allow~~ Sri C. Venkatesan being allowed to stay in the U.S.A. till the end of July, 1950. It is presumed that the Govt.of India will bear the share of expenditure ~~on the award of scholarships to~~ incurred on the scholar upto the end of this period.

29/6/50

28/6/50

S.

Y.F.

86

91

87 (53)

ASSISTANT SECRETARY
31 JUL 1950
21740
EDUCATION DEPARTMENT

No.F.4-2/S.8/47 S.2,
Government of India,
Ministry of Education.

New Delhi, the 29th July 1950.

From

The Secretary to the Government of India.

To

✓ The Secretary to the Government of Madras,
Education Department, Madras.

Subject:- Scholarships for advanced studies overseas 1947-48 Madras Government sponsored scholar - Mr.C.Venkate

Sir,

p 85 ante

I am directed to refer to your letter No.79390-G/48-13 Education dated the 13th July 1950, on the subject mention ed~~x~~ above, and to confirm your presumption that the Governmen of India will bear their share of expenditure incurred on the scholarship of the above scholar upto the end of July 1950.

Yours faithfully,

for Secretary.

Krishan.28

Education (Cs)

May be filed

2/8/50

2/8/50

3/8/50

88

(54) 89

Washington, D.C.
29th August, 1950.

G. 743/47/A

From: The Education Secretary,
Embassy of India in the U.S.A.

To: The Secretary to the Government of India,
Ministry of Education,
New Delhi.

ASSISTANT SECRETARY
11 SEP 1950
22435
EDUCATION DEPARTMENT

Sir,

I am directed to enclose herewith three copies of an Individual Financial Statement for Mr. C. Venkatesan, a 1947 Madras Government sponsored scholar, who departed from the U.S.A. on 10th August, 1950.

Yours faithfully,

for Education Secretary

Copy to: The Secretary to the Government of Madras,
Education Department, Madras.

V.P. Shastry
for Education Secretary.

55

91

OVERSEAS SCHOLARSHIP SCHEME

INDIVIDUAL FINANCIAL STATEMENT.

1. Name of Scholar	C.Venkatesan
2. Central, Provincial (State here whether sponsored or deputationist) or State Scholar. If Provincial or State Scholar, give the name of the Indian State concerned.	Madras Sponsored Scholar
3. Year of Selection:	1947
4. Date of embarkation after completion of studies abroad:	August 10th,1950
5. Date up to and for which stipend or leave salary has been paid and the rate of stipend or leave salary:	Stipend paid September 9th,1948 to August 10th,1950 at the rate of $160.00 per month.
6. Amount paid as journey allowance:	$14.00
7. Amount paid towards railway journey in India. In case an authority to the travel agents for providing a railway ticket for journey in India has been issued, it should be mentioned here:	Nil
8. Any other advances, advance payments or overpayments or disputable payments made to the scholar or outstanding against him which require recovery or regularisation in India:	Nil XXX The sum of $2.50 paid to University of Utah for alumni fee, reference this office Voucher No. 187 dated August 9th, 1950. This is not a compulsorily levied charge, it is to be recovered from the student in rupees in India.
9. Amounts, if any, due to the scholar but not paid to him:	Nil

Signature of returning Scholar	Signature of competent authority
C. Venkate	R 29/8 Assistant Accounts Officer.
Date Aug. 7th '50	Date 29th August, 1950

9

(56)

EPH
62

C. No 19390 G/48.

Advanced Studies Overseas. 1947-48.
Sri C. Venkatesan.

From the G.o.I., Ministry of Edn.
No. F4-2/5-8/47.S.II Dated 25.X.48

Please see the G.o.I. letter read above.

1 22 ff

Sri C. Venkatesan was selected in 1947-8 for advanced studies in "Industrial and Applied Chemistry" and is intended for absorption in Industries (Govt & private enterprise) on return. He has been admitted to the University of Utah, U.S.A. for graduate studies in Chemical Engg for Sep 48 term. We may be requested to furnish urgently in consultation with the D.I.&C. if necessary, the information required by the G.o.I. in para 2 of their letter.

SIXTH ASSISTANT SEC. DEVELOPMENT DEPARTMENT
6 NOV 1948

Lwz
4.11.48

NM
5/11/48

Dev

117258 DI
6 11 48

Dev. Dept

JD
4.11.48

Kdn No 19390G/48.1
5.11.48

To AS

The Govt. of India's letter at pp1-2 c/c and the notes of E&H above may be perused. The information required by the G.O.I. in para 2 of their letter at pp1-2 c/c may be called for from the D.I&C. Subject to orders a draft memo is submitted below for approval.

V.N.
6 11 48

The
8.11.48

CPG
9.11.48

pp 3-4 c/c [Issued as Memo No 117258 DI/48 dt 9.11.48
pp 5-9 c/c [From the G.O.I. No F 4-2/5-8/47 S2 dt 6.11.48]

C2

TO AS

Pl see the letter from the G of I at p 5 cf. W.r. to 'X' on p 5 cf ~~[illegible]~~ the DI&C may be consulted. Subject to orders a draft memo is submitted below for approval

Vm 21.11.48 DRG 25.11.48

CPG 29.11.48

97551

p 11 cf
p 13 cf

Issued as Memo. No. 117258 DI/48-2 dt 29.11.48.
From the D.I. & C. No. 2344 E1/48 dt 10.12.48

The letter from the D.I. & C on p. 13 cf may be perused. ~~For orders whether~~ This dept. ~~may~~ agree with the ~~suggestions~~ views of the D.I. & C. and the file may be returned to E & P.H.

Vm 16.12.48 DRG 16.12.48

CPG 17.12.48

JS

ASST. SECRETARY TO GOVERNMENT
21 DEC 1948
EDUCATION AND PUBLIC HEALTH DEPT.

EPH/C2 Dev. U.O. No. 117258 DI/48-3 21.12.48

Sri C. Venkatesan, 1947 Scholar, is undergoing advanced studies in Chemical Engg. Industrial and Applied Chemistry in the University of Utah, U.S.A. The G of I have called for details of the course ~~to be undergone~~ by him and of the post which he would be expected to take up on return. The D of I & C, who was consulted by Dev, states that it is not possible to find a suitable post for the scholar in Industries Dept and that he may be asked to seek employment in private industries. However, he has suggested that he may be given practical training in Chemical industries like manufacture of fertilisers, heavy chemicals etc. The scholar has submitted with his 'Joining Report' details of the course, both theoretical & practical,

pp 1-2 cf

p 13 cf

pp 7-9 cf

which he proposes to do. This may perhaps be approved and he may also be asked to get practical training as suggested by the D I & C. As regards his employment on return, the G of I may be informed that every endeavour will be made to place him in a suitable position on return. A draft letter to the G of I is submitted for approval.

Vm 24.12.48

DRM 29/12/48

JS 29.12.48

[Letter 79390 C2/48-3 Edn dt 3.1.49].

pp 15-16 cf

From the G of I, Ministry of Edn.
No. F.4-2/5.8/47. S2 dt 20.9.49

p 23 cf

pp 23-26 cf

In the letter at pp 15-16 cf, the Govt ~~have~~ approved the course of training - both theoretical & practical - to be undergone by Sri C. Venkatesan, 1947 Scholar. The G of I have now forwarded a copy of the scholar's progress report and have called for suggestions, if any, from the point of view of his employment. The remarks of Dev may be invited in the matter.

Vm 24.9.49

DRM 28/9/49 Dev

ASSISTANT SECRETARY TO GOVERNMENT

Edn no 79390 C2/48-4 28.9.49

98186

Dev. Dept (CD?)

TO AS

[Previously seen in Devt at p 2 above]

The Govt of India's letter with its enclosure at pp 23-27 cf and the notes of Edn above may be perused. The DI&C has already reported that it is not possible ~~the scholar~~

p 13 g

4

~~Cannot~~ to find a suitable ~~job~~ post for the scholar in the Industries Deptt. In the circumstances this Deptt ~~have~~ no special remarks to offer in the matter. The file may be returned to E&PH

Va
8.10.49
10

11.10.49

11.10.49

E&PH

Dev u.o. no 98186 DI/49-1
11.10.49

79255
13 OCT 1949

EPH
E2

Please see the Dev note above. A draft letter to the G.of I. is submitted for approval.

LW3
14.10.49

Clea
15.X.49

17/10/49

[Letter No. 79390 E2/49-5 Edn of 17.10.49] p 29 cf
from the G.of I., Ministry of Edn
No. F.4-2/5.8/47. S2 of 25.11.49 p 36 cf

Sri C. Venkatesan, a 1947 scholar, is undergoing advanced studies in the U.S.A in "Chemical Engg". He is intended for absorption in the Industries on return. The D.I.&C has already reported that there is no suitable post for the scholar in this Dept. In this Dept's letter at pp 15-16 cf, the G.of I. were informed as to the Course of Studies that the scholar should undergo. The scholar expects to complete his Course for the M.S. degree in June 1950. His scholarship expires on 8.9.1950. He and the Indian Embassy want to know his plan of work from June to Sep 1950. The scholar suggests that he may be permitted to go to the U.K. in 1950 for practical training with the Imperial Chemical Industries, [illegible] other places which the Govt [illegible]. In this Govt's letter

p 13 cf

p 40 cf

pp 39-40 cf

p 40 cf

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5 (58)

pp 15-16 cf

of 3.1.49, the Indian Embassy has been required to make arrangements to give practical training to the scholar in Chemical Industries like manufacture of fertilisers, heavy chemicals etc. It is for consideration whether it will not be sufficient to ask the Indian Embassy to arrange for the above practical training in the institutions in the U.S.A. Dev may be requested to offer their remarks.

A

LW3
2.12.49

Clea
3.12.49

3/12/49 Dev

Edn no 79390 D/49-6
5.12.49
5 DEC 1949
ASSISTANT SECRETARY TO GOVERNMENT
DEVELOPMENT DEPARTMENT

118578 DI
8.12.49

DEV. DEPT (DI)

TO AS

(Last seen in Dev at pp 3-4 above)

Further notes of E&PH at pp 4-5 may be perused. In view of the DI&C's report at 'M' on p 13 of it is for orders whether the views of E&PH at 'A' above may be agreed to in this Deptt. After orders are passed, the file may be returned to E&PH

Va
11.12.49
12

13.12.49

16.12.49

E&PH
D

Dev u.o. no 118578 DI/49-1
14.12.49

98220
15 DEC 1949

Draft letter to the G.of I. submitted for approval.

LW3
19.12.49

Clea
20.12.49

21/12/49

[Letter 79390 D/49-7 Edn of 21.12.49] p 41 cf
from the G.of I. Ministry of Edn.
No. F.4-2/5.8/47. S2 of 16.3.50 p 43 cf

No action seems to be necessary on the letter cited as the G.of I. have been requested to arrange for practical training for the scholar in any of the institutions in the U.S.A after the theoretical course.

p. 41 cf.

20.3.50

22.3.50

28/3/50

Education Dept. (G)

From the Govt. of India, Ministry of Education, No. F.4-2/S.8/47-S.2, dated 6-4-50. pp 47-56 cf

Please see the letter from the Govt. of India and its enclosures on pp. 47-56 cf. In the circumstances reported by the Indian Embassy, Washington, in their letter No. G. 743/47 dated 17-3-50, Mr. C. Venkatesan may be called back, after the completion of his present programme of training which ends early in June, 1950. p 49 cf

Dev. may see for remarks.

10.4.50.

11.4.50

11/4/50 Dev.

Edu. U.O. 79390-G/~~48~~-8

Devt. D.I.

11-4-50

11 APL 1950
DEVELOPMENT DEPARTMENT

To A.s.

(Last seen in this dept at p. 5 above)

The further notes of the Edn. Dept. ~~from~~ p 5 above and the Govt. of India's letter with enclosures at pp 47-55 cf may be perused. The D.I.&C. may be consulted in the matter. Subject to orders a draft memo is submitted for approval.

32305

12/4/50 12.4.50.

12/4/50

[Issued as Memo. no. 32305 D.I/50-1 Devt. dt 12.4.50] - p. 57 cf

[From the D.I.&C letter no. 2357 E1/50, dt 25-4-50] - p. 59 cf

Please see the memo. to the D.I.&C at

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at page 57 cf. and his reply at page 59 cf. In their letter at page 47 cf. the Govt. of India have stated that it is not possible to make any arrangements for the practical training after June 1950 for Sri C. Venkatesan, this Govt's Overseas Scholar for 1947-48 and enquired whether the scholar can be called back after the completion of his present programme of training which ends early in June 1950. The D.I.&C was consulted in the matter. The Director states that if facilities to give practical training to the scholar are not available he may be asked to return to India and contact ~~the Director~~ him who will then decide the question of his employment in Government or his release. This dept. may agree with the D.I.&C. The file may be returned to the Education ~~Dept. who~~ and that Dept may be requested to inform the Govt. of India accordingly.

Page 59 cf.

3/5/50

Develop. No.
No. 32305-D.I/50-2
4-5-50

3/5/50.

3/5/50.

(Edn)

ASSISTANT SECRETARY
MAY 1950
10164
EDUCATION DEPARTMENT

Education Dept. (G)

A draft letter to the Govt. of India is submitted for approval.

8/5/50

11.5.50

11/5/50

From the Govt. of India, F.4-2/5-8/47-SII dated 2-6-50.

p 69-75 CF

Sri C. Venkatesan was selected in 1947-48 for advanced studies in "Industrial and Applied Chemistry" and is intended for absorption in the Industries Deptt. The normal ~~periodof~~ period of his scholarship viz., 2 years expires on 8th Sep. 1950.

p 51 CF

In March last, the Indian Embassy, Washington reported that it was not possible to arrange for any further practical training for the scholar after June 1950. The Govt. of India were therefore informed that the scholar might be called back to India, after the completion of his programme of training which ends in June, 1950.

p 49 CF

p 62 CF

The Indian Embassy now states that "Mr. Venkatesan can conceivably obtain practical training with the Bureau of Mines or the Fertilizer Project operated by the Tannessee Valley authority in the South if it is not possible to effect entry into the M.I.T. which runs a special course in Industrial Engg. which is equivalent to practical training in industry." They also state that "it has been extremely difficult to place this student with a factory thus far and the alternatives are now limited to Govt. agencies that is, if the M.I.T. idea does not find acceptance or proves ~~available~~ unavailable" and that if it is not possible to arrange for the practical Training in the Bureau of Mines, the T.V.A. will be approached. This Govt. may agree to the arrangement proposed by the Embassy for the practical training of the scholar.

p 71 CF

The Indian Embassy may, however, be informed that the period of practical training ~~including the time required for reaching India~~ arranged by them for the scholar should not exceed the normal period of his scholarship which expires on 8th September 1950.

Dev. ~~and Finance~~ and Finance may see for remarks.

RSSR 8/6/50 Rb 8.6.50

8/6/50

S

B

I do not think there is need to reconsider the decision already taken that the scholar should return to India as soon as his present programme of training is completed. There is no need to search out other places for training him for the very short period between June & Sept.

8.6.50

Dev. | Fin.

Edu. u.o. 79390/48-II
8-6-50

8.6.50

(60)

[Previously seen in Devt at p 6-7 above]

Further notes of Edn at p 8 above

[illegible] passed on to

Edn Secretary's views at p 8 above

He can be placed in India

[illegible] after he finishes [illegible]

8/6/50 8.6.50

50619

Finance (CSR)

Devt. U.O. No. 50619 DI/50-1
9.6.50

ADDITIONAL DEPUTY SECRETARY
42343
9 JUN 1950
FINANCE DEPARTMENT

Please see notes from p8 above. Finance may agree with the views of Education Secretary at B on p 8 above.

9.6.50

10.6.50

Fin. U.O. 42343 CSR 50-1
10.6.50

Edn

Edu. (G)

A draft Cablegram to the Indian Embassy, Washington is submitted for approval.

15178

RSSR 10/6/50

Rb 10.6.50

10/6/50

S.

12.6.50

Edu. Deptt. (G)

From the Govt. of India, Ministry of Education
No. F.4-2/S-8/47-SII, dated 20-6-50

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p 79 CF

The Govt. of India wants to know whether this Govt. have any objection to allow Sri C. Venkatesan to stay in U.S.A. upto the end of July 1950, when he completes his present training. The Indian Embassy

10

Edn.Deptt.(G)

In their letter on page 47 cf. the Govt.of India reported that the programme of training of Sri C. Venkatesan would end in June 1950 and enquired whether he should be called back at the end of this programme in view of the difficulty experienced by the Indian Embassy to arrange for the practical training of the scholar after June 1950. The Govt. of India were informed that the Scholar should be called back at the end of the present programme of training ending in June 1950. The Indian Embassy subsequently proposed to make some arrangements for the practical training of the scholar. The Govt.however, declined to reconsider their previous decision. In the present letter on page 79 cf. the Govt.of India state that the scholar would complete his present training ~~at~~ the end of July 1950 and presume that this Govt. will have no objection to his stay in the U.S.A. up to ~~the~~ end of ~~Ju~~ this period 1950. This Govt. may agree with the Govt.of India. It is presumed that the Govt.of India will bear their share of expenditure on the award of scholarship to the scholar unto the end of July 1950.

The draft letter is below for approval. Dev. and Finance may see for acceptance.

p47 Z

p62 Z

p71 Z

p77 Z

'Z' p79 Z

28/6/50

Dev. I Fin.

50673 CSR
FINANCE DEPARTMENT

Devt. Edn. U.O. 79390-G/48-12

29-6-50

To As.

[Previously seen in this Dept at p9 above]

Further notes of the Edn. Dept above and the draft letter below may be perused and the file passed on to Fin.

4/7/50

4.7.50

6.7.50

58529 CSR

FOURTH ASSISTANT SECRETARY TO GOVERNMENT
30 JUN 1950
DEVELOPMENT DEPARTMENT

Devt. U.O. No. 88529 Dt/50

5/7/50

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(61)

Finance (C.S.R.)

(Previous Finance note on p.9 above)

The draft letter below may be accepted.

7.7.50

7.7.50

7.7.50 Edn

ASSISTANT SECRETARY
10 JUL 1950
19075
EDUCATION DEPARTMENT

Fin. No 50673 CSR/50-1

7-7-50

Education (G)

The draft letter may now issue.

11/7/50

11.7.50

12/7/50

13.7.50

[Issued as Letter Ref. No. 79390-G/48-13 Edn dated 13.7.50.]

[Employment forms sent to Dev. with this Dept. U.O.No. 26254 G/50-1 5.9.50.]

p89-91

From the Education Secretary, Embassy of India in the U.S.A. No. G. 743/47/A dated 29.8.50.

The individual financial statement on p. 91 cf shows that some recoveries have to be made from the Scholar, Mr. C. Venkatesan after his return to India. The Scholar is intended for absorption in Industries department. His employment forms have already been sent to Development Dept. with this dept. U.O. No. 26254/G/50-1 dated 5.9.50. The file may now be sent to Development for taking necessary ~~steps~~ extracts from this file with a view to effect recoveries from the Scholar after his return.

Edn. U.O. No. 79390/G/48-14 16.9.50.

12/9.

12.9.50

14/9/50

Dev.

FIFTH ASSISTANT SECRETARY TO GOVERNMENT
16 SEP 1950
DEVELOPMENT DEPARTMENT

Devt. 94378 Dt 16.9.50

P.T.O.

G.

20 As.

(Previously [illegible] in this Dept. at p10 above).

Education Dept.'s note at p11 above may be perused. Regarding the employment of the Scholar, Sri C. Venkateraman, the D.P.I. has been consulted in the top file and his reply is awaited. With regard to the recoveries to ~~be made~~ from the Scholar ~~it is for~~ necessary ~~orders whether the file may lie over till a decision is arrived at regarding his employment in the top file~~ extracts may be taken from this file for separate action.

The file may be returned to Education.

21/9/50.

21.9.50.

29856.

ASSISTANT SECRETARY
28 SEP 1950
EDUCATION DEPARTMENT

Extracts taken on

Education.

S. DWT. Ed. No. 94,378/50

27.9.50.

The papers may now be recorded.

G.O. Ms. No. 2808 Edn 9.10.50.

7.10.50.

Recorded.

9/10/50

Abstract.

Overseas scholarships Scheme – 1947-48. Sri C. Venkataraman – Study papers – Recorded.