

E. & P.H.

(1948) Department.

Ms.

SERIES.

G.O. NO.

100 Edn.

Dated

15--1--1948.

[Despatch Abstract.]

Technical Education overseas - 1945-46 . Mr. M.K. Ramesh Rao - Period of scholarship ~~was~~ extended - papers recorded.

Back Papers.

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

Further Papers.

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

No. F.3-11/45-OD IV
GOVERNMENT OF INDIA.
MINISTRY OF EDUCATION.

AIR MAIL

NEW DELHI 3, THE 4th DECEMBER 1947.

From Sir Shanti Swarup Bhatnagar, O.B.E., D.Sc., F.R.S.,
Secretary to the Govt. of India.

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

SUB:- Advanced Studies Overseas in
respect of Mr. K. Ramesh Rao,
1945 Madras scholar.



Sir,

I am directed to forward herewith for favour of necessary action, copies of letters No.G-395/45 dated 1st October 1947 & 20th October 1947 (with enclosures) respectively received from the Deputy Educational Liaison Officer at the Indian Embassy, Washington, regarding Mr. Ramesh Rao's studies and training in the United States of America. On arrival in the United States of America from the United Kingdom on 15th March 1946, the scholar joined the United States Bureau of Reclamation where he was engaged till September 1946 in the study of general operation of the River Control Office and participated in the actual work of the office. He also visited the Bureau Laboratories in Hydraulics, Petrography, Chemistry, Soil Mechanics, Concrete and Material-testing. Thereafter he joined the University of Iowa where he took the Master of Science degree in Hydraulic Engineering in August 1947. He then undertook a study tour upto September 1947, after which he joined the United States Army Corps of Engineers on 20th October 1947 for practical training. In view of the fact that the scholar could actually commence his studies in the United States of America in March 1946 only. The Deputy Educational Liaison Officer has recommended that Mr. Ramesh Rao should be allowed to complete the practical training at the United States Army Corps of Engineers by the Middle of February 1948, after which he would return to India. The Government of India are also inclined to agree to the proposal.

P.T.O.

2

The Government of Madras may kindly consider the case and communicate their decision to the Government of India telegraphically. This may kindly be treated as 'Urgent'.

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

D.K. Hingorani
(D.K. HINGORANI)
for SECRETARY

3

COPY

The Education Department
Embassy of India

635 F Street, N.W.
Washington, D.C.

File No. G.395/45
October 1st, 1947

My dear Gangulee:

10/7/47
In continuation of my letter of even number dated 8th September 1947, I enclose a copy of report regarding the work done so far by Mr. K. Ramesh Rao. Please do not take notice of the second last paragraph of the report. I am taking the matter up with the United States Army Corps of Engineers and I hope to get him admitted there soon. I am also enclosing copy of a letter from Dean Dawson in regard to this scholar. *10/5/47*

Yours Sincerely,

Sd/- A.M.D' Rozario
Deputy Educational Liaison Officer

To

P. Gangulee Esq.,
Ministry of Education,
Government of India,
Washington 4, D.C.

CLS/-

COPY

STATE UNIVERSITY OF IOWA

IOWA CITY

September 10, 1947

Mr. A.M.D'Rozario,
Education Liaison Officer,
Embassy of India,
635 F Street, N.W.
Washington D.C.

Dear Mr. D'Rozario

It is with pleasure that I reply to your letter of September 8, File No. G.395/45. Mr. K. Ramesh Rao was awarded the Master of Science Degree in August 1947 and is not now in Iowa City. On our recommendation, he took a trip visiting certain hydroelectric plants and other places of interest in the north Midwest area of the United States. There is a possibility also, that he may be planning to go to Colorado State College at Fort Collins after he gets through with the present schedule.

We found Mr. Rao to be a very good student. Not only was he able to master the subject but he showed more than ordinary "Common sense" in his outlook on engineering construction and in his dealings with faculty and students. I think I can safely say that he is the best student from India that we have had and hope sincerely that he will be placed in a position where his talents may be used.

Sincerely yours

F.M. Dawson, Dean.

Copy

September 19, 1947

NAME

K. Ramesh Rao

Memorandum No. 35343-C-3 Edn.
dated 8th August 1945.

SPECIAL SUBJECT Civil Engineering- River

Conservancy and Flood Control

REPORT OF WORK FOR THE PERIOD APRIL 1946 TO SEPTEMBER 1947

PLACES OF TRAINING - Office of River Control, Bureau of Reclamation, Region III, Boulder City, Nevada, April 1946 to September 1946. State University of Iowa, Iowa City, Iowa. September 1946 to September 1947.

ADDITIONAL QUALIFICATIONS OBTAINED DURING THE PERIOD -

Master of Science degree in Hydraulic Engineering from the University of Iowa

Applied for the Junior Membership of the American Society of Civil Engineers.

Training at the office of River Control, Boulder City, Nevada under Mr. C.P. Vetter, Chief of the Office of River Control commenced on April 10, 1946. The period of five months from April to September 1946 was utilized in observing the organization and working of the office of River Control by actually taking part in the daily routine work. The great benefit of the training at that office was the study of the various phases of the development of the Colorado River- a river which was once a great menace to the people living on its banks and which is not a national resource. A study of the construction of the Boulder Dam and the various benefits such as irrigation facilities, water power and flood control which this construction gave, was also studied.

A general study of the organization and the working of the Office of River Control was made with a view to organize similar offices in India. Forecasting of inflow into the storage basins of the dams, efficient use of water for water power as per the requirements of water for irrigation downstream, sediment studies are some of the interesting aspects of the work at the office of River Control. Raising of dam structures on the river has led

to retrogression and aggradation downstream causing extensive damage to land and property and the control measures proposed by the office of River Control for preventing further damage were also studied.

At the conclusion of the above mentioned phase of training a study trip was undertaken to visit dams and canal works in Regions II of the Bureau of Reclamation. Important dams such as Shasta Dam and Friant Dam in the Central Valley were visited. The Friant-Kern canal construction was then in progress and the trip gave an opportunity for the observation of the latest kind of machinery used and their working. Imperial Dam, the All-American canal and the de-silting works at the Imperial Dam for supplying irrigation water into the All-American Canal Free of Silt were then visited.

On the completion of the training at the office of River Control and at the recommendation of the Regional director, I joined the graduate College of the State University of Iowa for post-graduate work in Hydraulic Engineering Study leading to the Master's degree without a thesis was chosen as it gave an opportunity to have more theoretical courses in the subjects mentioned below.

- (1) Fluid Mechanics
2. Flood Control
3. Water power Engineering
4. Hydraulic Design
5. Hydrology
6. Measurement of Water
7. Flow in open channels.

The requirements for the Master's degree were completed in the minimum period and I took the final examination and passed satisfactorily and got the degree of Master of Science on August 6, 1947.

On completion of my studies, I undertook a study trip in the States of Iowa and Minnesota for visiting Hydro-power plants, Flood Control works, Navigation and fish and wild life projects.

In the meantime I applied to the Chief of Engineers, War Department, Washington, D.C. for training in his office for studying preliminary work and economics of Flood Control. I have received a reply stating that I can be accepted for training in that office and that the office will arrange for visiting important flood control works.

The different phases of work that will be undertaken during the period of training with the Army Engineers will be reported later.

Sd/. K. Ramesh Rao.

Iowa City, Iowa
September 17, 1947.

- (1) Fluid Mechanics
2. Flood Control
3. Water Power Engineering
4. Hydraulic Design
5. Hydrology
6. Measurement of Water
7. Flow in open channels

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Copy of letter No. File No. G.395/45 dated October 20th 1947
from the Deputy Educational Liaison Officer, Washington, to
the Ministry of Education, Government of India, New Delhi.

My dear Gangulee:

13

In continuation of my letter of even number dated
1st October, 1947, regarding the 1945 Madras Government scholar
Mr. K. Ramesh Rao. It may perhaps be helpful to you to get a
brief history of his case.

Mr. Rao reached the U.K. on the 25th of December, 1946,
but he was not admitted to any suitable institution there.
He was consequently transferred to this country where he arrived
on the 15th of March 1946. He joined the Bureau of Reclamation
soon after his arrival and he worked there till early September
1946. Thereafter he joined the University of Iowa for Hydraulic
Engineering and took his M.S. in August 1947. He then undertook
a study tour including mid-August and September 1947. He has
from today joined the United States Army Corps of Engineers for
practical training.

His normal period of scholarship should expire towards
the end of December 1947. In view of the fact, however, that he
was not able to join an approved course of training till March
1947, this Department is of the opinion that he should be allowed
to stay here from four to six weeks beyond December 1947.
I presume there will be no objection to this. His passage will be
arranged in February 1948.

A detailed report of the ~~xx~~ scholar's work, together with
a report from Dean Dawson, have already been sent to you. A
further report in connection with his training at the United States
Army Corps of Engineers will be sent to you before his departure.

EDPH/cr

Draft Telegram

147

Educind
New Delhi

12/12

7

Refrma your letter (No) F.3-11/45-0D11

(dated) Fourth instant regarding (Mr) K.
Ramesh Rao, 1945 Scholar Stop This
Court agree (to) Scholar's extension of
(period of) Scholarship ^{till end of} ~~upto~~ February 1948
Stop (It is) Presumed (that Court of) India
(will) bear half (the) Cost (of the Scholar's
Studies) for this period (also)

13/12

Pc to Secy to Govt.
Ministry of Edu.
New Delhi, 3 11-12-47

12/12/47

Edhealth

GOVERNMENT OF INDIA
MINISTRY OF EDUCATION.
New Delhi 3, the 17th December 1947

TELEGRAM CORW STATE

INDEMBASSY

WASHINGTON



F3/11/45/ODIV THIS MINISTRY ENDORSEMENT EVEN NUMBER
DECEMBER FOURTH REGARDING K RAMESH RAO 1945 MADRAS
SCHOLAR AAA PROVINCIAL GOVERNMENT AGREE TO EXTENSION
IN SCHOLARSHIP PERIOD UPTO END OF FEBRUARY 1948 BY
WHICH TIME SCHOLAR SHOULD COMPLETE PRACTICAL TRAINING
AND THEN RETURN TO INDIA AAA GOVERNMENT OF INDIA ALSO
AGREE.

EDUCIND

Post copy by air mail.

✓ Copy by airmail to the Secretary to the
Government of Madras, Education and Public Health
Department, Madras, with reference to his telegram
dated 13th December, 1947. Mr. K. Ramesh Rao will
continue to be treated as a Provincial Government
sponsored scholar, the expenditure on whom will be shared
equally between the Central and Provincial Governments.

By order,

DKHingram
for Secretary. *DKH(er)*

(TANEJA)

17.12

*Sub-Technical
Edn. Madras - 1945-46
Mr. K. Ramesh Rao -
Period of Scholarship
extended - papers - Record*

Submitted for perusal.
No further action is called for in
the file. The papers may be
C.O. No 100 Edn & 15-1-48.

Recorded.

12/1/48

*8/1/48
C.O.
10.1.48*

Overseas Scholarships - 1945-46 - Mr. K. Ramiah Rao

c.nº. 96506/47, From the Cº 1, Nº F. 3-11 145-0 D 108 4-12-47.

Mr. K. Ramesh Rao is a scholar selected by this Court in 1945-46 for advanced studies in "Civil Engg - River Conservancy and Flood Control" and is intended, after completion of studies, for absorption in the P.W. Dept. He reached the U.K. on 25-12-45 but was subsequently transferred to the U.S.A. due to lack of admission in any suitable institution in the U.K. He reached the U.S.A. on 15-3-46.

The normal period of Scholarship for each Scholar is two years. ~~Mr~~ The period of scholarship is calculated from the date on which the Scholar reached the foreign country. In Mr Ramesh Rao's case, his scholarship should ^{accordingly} be deemed to have commenced from 25-12-45, the date on which he reached the U.K. and as such, his scholarship will expire by Dec: 47. But as the Scholar actually commenced his studies only from March 46 when he reached the U.S.A., the Dy Edl. Liaison Officer to the C. & I, Washington recommends that his scholarship may be extended up to Feb: '48 - vide his letter on p13 cf. The C. & I are also inclined to agree to the proposal in the circumstances stated in their letter on pp1-2 cf. The Scholar has been all along been absorbed in the work of acquiring advanced knowledge in ~~Review~~ his subject of specialisation as is evident from his report on pp 7-11 cf. Dean Dawson of the State University of Iowa has also spoken well of the Scholar's abilities - vide p5 cf. In the circumstances and in view of the fact that the extension ^{by} of 2 months of the period of the scholarship is recommended with a view to allow the scholar to

Complete his practical training at the
 United States Army Corps of Engos which will
 be of much value to his ~~final~~ also future
 employment, it seems that the extension
 applied for may be granted.

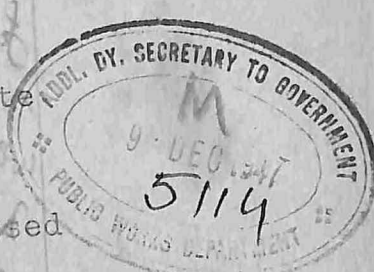
PWD may be ~~requested to~~ ^{see the case w.o.}
~~State whether the extension may be granted.~~
 Finance may also ~~see~~ for remarks prior to circulation.

8.12.47
 9/12/47 S
 P.W.D. (M)

Edn. no 96506C-1/47-1
 9-12-47

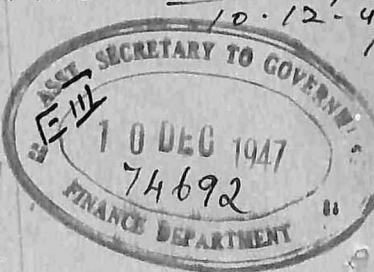
To A.D.S.

Please see the E & P.H. Deptt. note from p. 1 ante
 which explains the case. This Deptt. may agree with the
 E & P.H. Deptt.'s view at 'A' above. The file may be passed
 on to Finance.

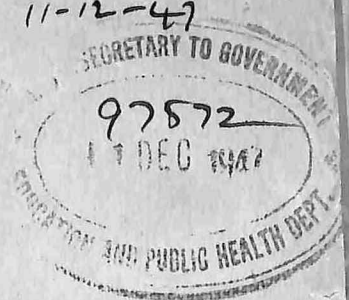


Please see the note of E.P.H. from
 p. 1 above. In the circumstances noted by
 E.P.H. this dept may also agree to the proposal
 at 'A' above. The Govt of India will ~~be~~ ^{apparently share} the
 expenditure on the scholar during the period of
 extension of about two months on the usual basis
 viz 50:50.

P.W.D. U.O. 5114-14/47-1
 10-12-47



Fin. UO 74692/20/47-1
 11-12-47



10.12.47
 11/12/47
 E.P.H. (c2) DS

A draft telegram is submitted
 for approval. The file may be circulated to
 H.M (Edn) and H.M (P.W.)



11.12.47
 TSA
 10.12.47
 MB 1312