Put away

Sectt II-27—15,004—22-8-46.

21/3/47.

Education & Public Health **(1947) Department.**

(MS). **SERIES.**

G.O. NO. 454 Education.

454

9

Dated 10th March, 1947.

[Despatch Abstract.]

Madras Educational Service - Viswanatha, Sri A., Officiating Principal, Engineering College, Cocanada - Applications, for Appointment elsewhere - and other requests - Orders Passed - Papers recorded.

Back Papers.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	1500 18	ED [illegible]					
	1167 26	ED 7. [illegible]					

Further Papers.

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

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(2)

A Copy of this application has been sent in advance to save time
A. [illegible]

FORM OF APPLICATION FOR THE USE OF CANDIDATES FOR APPOINTMENT BY SELECTION.

To be returned to the Secretary, Punjab & N.W.F.P. Joint Public Service Commission, Lahore, so as to arrive not later than 18-5-46.

Receipt sent with copy

A Treasury reciept or if the candidate is applyingfrom a place outside Punjab or Delhi or N.W.F.Province, money order reciept for Rs.5/- must be forwarded with this application.

(Appointments are made by the Government and not by the Commission.

DIRECTOR OF PUBLIC INSTRUCTION
17 MAY [illegible]
MADRAS

1. NAME IN FULL. (in block capitals)	APPATHURA VISWANATH.
2. Postal address in full. (Any change should be communicated at once...)	College of Engineeeering, Saidapet.P.O. Madras.
3. Post for which the applicant is a candidate.	Principal, Punjab College of Engineering and Technology.
4. Date of Birth.	13th September 1902.
5. Are you a-	
British subject?	Yes
Subject of a Native state?	-
6. Name of Province or State to which you belong	Madras Province.
(b) Where were you born.	Palghat-Malabar District-Mardas Province.
7. Father's Name	S.Appathurai (not living)
Address (last)	Palace Musician-Cochin.
8. Is (or was) your father a-	
British Subject?	yes.
Subject of a Native State?	-
9. Name the Province or State to which he belonged.	Madras Province.
10. What is your height?	5 Ft. 7 inches.
Chest measurement?	38 inches.
11. State your ~~religion~~ Religion	Hinduism.
Community / Cast.	Brahmin
12. Are you a Zamindar?	No.

M

13. Are you free from pecuniary embarassments? If you are under liability to repay money advanced by an institution or party etc.............	Free No liability.

14. Have you been outside India? If so give particulars:-

Country visited.	Date of visit	Duration of Visit	Purpose.
Gt. Britain, France, Switzerland, Germany & Italy.	1927 to 1932	1927 to 1932	Study, Researchwork and Training

15. What languages (including Indian languages) can you read or spea
Give details:-

Read only.	Speak only	Read & speak
Hind~~ustani~~, Tamil, Malayalam, & English	do	do.

16. If appointed what notice would you require befor joining the post?	As soon as relieved from present post.
17. Are you willing to accept the minimum initial pay offered? If not state the lowest initial pay that you would accept.	yes.

18. At what schools were educated? Give particulars:-

School	Date of Entry	Date of leaving.
High School, Tripunittura.	From childhood to	Matric 1918.

19. Give the following particulars concerning you university or other higher education:-

Name of University.	College if any.	Date of entry.	Date of leavin
Madras University.	Ernakulam College.	1918	1920
Bombay University.	Wilson College.	1922	1922

20. Did you hold any position of responsibility or prominence in the college life or sports? etc......................	Took part in all games & sports- Also in

5 (x)

21. Give particulars of all examinations PASSED and degrees and technical qualifications obtained at the university or other places of higher ~~study~~ or technical education Or instruction.

Examination or degree.	Name of Institution or university granting the diploma, degree etc.	Class or Distinction etc.	Subjects taken	Date
I. B.E.	Mysore University	Honours	Civil Engineering	1926
II. B.Sc.(Hons)	London University	Honours	Mechanical Eng.	1929
III. M.Sc.	London University	by Research in Mechanical Engineering.		1931
IV. A.C.G.I.	City & Guilds of London Institute		Mechl. Engineering.	1929
V. D.I.C.	Imperial College of Science & Technology, London.		Electric Traction, and Railway Engineering etc.	1930
VI. M.I.E.	Institution of Engineers (India)			1936

22. Have you done any post-graduate work or published any papers? Give particulars etc......

Advanced Study and Research-work on Railway Electric Traction, Locomotive Balancing

A number of papers on Technical Education, Training of Experts & Specialists etc.

(Copies sent with duplicate application.)

23. How have you been employed(give particulars):-

Name of Employer	Date of Joining	Date & reason for leaving	Nature of employment	Salary

Details in attached printed sheet.

24. Are you an accepted candidate for any post under Govt. — Am now in Govt Service.

25. Have you been a candidate for any post advertised by the Punjab and N.W.F.P. Joint Public Service Commn. etc..... — NO.

Continued.......

(The entries on this page should be in the candidate's own handwriting.)

25. References:-

1. H.Tufnell Barrett Esq.,I.C.S.,
Commissioner of Civil Supplies,
Calcutta.
2. A.F.W.Dixon Esq.,I.C.S.,
Member Board of Revenue,
Madras.
3. Dr. Ishaq,M.A.,Ph.D., etc.,
Muslim University, Aligarh.

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26. Testimonials.

1. Messrs. Rendel Palmer & Tritton,
Consulting Engineers to Govt. of India etc.
55.Broadway,London.
2.
3. Others will be produced at interview.
etc.

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27. Additional Remarks:-

Attached in separate sheet.

I hereby declare that all the entries in this application form and all the additional particulars(if any) furnished along with it are true to the best of my knowledge and belief.

Dated 10th May 1946.

Signature of candidate.

Endt.No. 2715 dated 16-5-46.

Submitted to the Director of Public Instruction, Madras.

PRINCIPAL,
College of Engineering, Guindy.

9/8 ⑥

27. ADDITIONAL REMARKS AND SPECIAL NOTE.

1. I have just reverted from the post of:-

Assistant Director of Training, E. Zone,
3. Harington Street, Calcutta.

Not correct ?

where I was in charge of the Govt. of India Technical Trainin
ing Scheme in the 4 provinces Bengal, Behar, Assam & Orissa,
in order to take up the post of:-
Organising Principal for the Vizagapatam &
Anantpur Engineering Collees,
which are 2 new Engineering Colleges of the Madras Govt.

2. I am thoroughly qualified in many branches of Engineering as can be seen from below:-

i. In Mechanical Engineering.

Degrees and Diplomas held are:-

B.Sc. Honours of London University in Mechl. Eng.
M.Sc. by Researchwork of London University...do.
A.C.G.I. of City & Guilds of London Institute.

ii. In Civil Engineering.

Degrees and Diplomas held are:-

B.E. with Distinction of Mysore University. (Civil)
A.M.I.Strut.E. passed Exam. of the Institution of Structural Engineers, London.

iii. In Electrical Engineering (with special reference to Electric Traction)

Degrees & Diplomas.

D.I.C. of the Imperial College of Science & Technology, London, for Post-graduate and Advanced Study in Electric Traction.

iv. In Railway Engineering.

M.Sc. of London University by Advanced Study and Research in Railway Engineering
Mechanical Transport,
Balancing of Locomotives,
Impact on Railway Bridges

v. In Internal Combustion Engineering.

I have done extensive Researchwork on Internal Combustion Engines-Developed an original design of a high speed Diesel Engine.

I am appointed as an Expert Member of the Internal Combustion Engine Advisory Committee of the Government of India-Council of Scientific and Industrial Research.

3. As a Technical Education Expert

I have organised the Government of India Technical Training Scheme in the Provinces Madras, Bengal, Assam, Behar, and Orissa during the years 1941 to '46, in the capacity of
Regional Inspector,
Senior Regional Inspector, and
Asst. Director of Training.

During this period I have organised, supervis
and held administrative charge of over 125
Trainin

Training Centre with over 1000 members of staff of all grades including:-

Instructors,
Foremen Instructors,
Heads of Institutions,
British Specialist Instructors and
Clerical and Secretarial Staff.

ii. I have published many papers on Technical Education, and am a member of:-

The Institution of Engineers Technical Edn. Committee.
The Fazalbhoy Publication "15 Years Ahead" Panel of Editors.

iii. A paper under the title "The Need to Train Experts & Specialists in all branches of Industry and a 15 Year Plan for same" has been highly complimented bt Sir M. Visvesvaraya K.C.I.E., and has been recommended to leading Industrialists, Statesmen andGovernment Departments. Copy enclosed.

4. Experience in Teaching, Administration , Organisation and Drive.

As Head of the Mechanical Engineering Dept. of the College of Engineering, Madras, I have been responsible to coach Engineer Students to the Degree Standard of the Madras University of Madras for over 6 years. I have also organised advanced study and research work in Internal Combustion Engineering, Testing and Standardisation of Gas Plants for Transport Vehicles, Use of Vegitable oil fuels for oil Engines, etc.

I hald charge of the Laboratory, Power House, Workshop etc.

Under the Technical Training Scheme, myorganising capacity amd drive enabled the Madras Province to contribute ~~the~~ approxly. one-fourth of the total all-India output of Trained Technicians, although Madras is comparatively less industrialised than Bengal and Bombay.

5. I am applying for the post of Principalship in Punjab in view of the wider opportunities in a more progressive province. I am confident that with my outstandinding qualifications, experiece, capacity andwide outlook in the field of technical education, I can make a substancial contribution to the province, if I will be given a chance.

GOVERNMENT OF INDIA.
DEPARTMENT OF LABOUR.

NOTIFICATION.
Dated Simla, the 23rd February 1945.

Technical Training Scheme.

No. TR(A-II)32.- Mr. A. Viswanath, M.Sc, D.I.C. (Lond), M.I.E., Senior Regional Inspector, Southern Circle (North), is appointed as Assistant Director of Training, Eastern Zone, Calcutta, with effect from 17th January 1945.

N.C. Shrivastava.
Deputy Secretary to the Government of India

To,
The Manager,
Government of India Press,
New Delhi.

D.A. Nil.
Copy to:-
1. Mr. A. Viswanath, Asst. Director of Training, Eastern Zone, 3 Harington Street, Calcutta, with reference to his telegram dated the 30th January 1945.
2...........
3...........

(TRUE COPY.)

RENDEL PALMER & TRITTON.
Consulting Engineers to
the Government of India, Crown Colonies etc.

55.Broadway,
Westminster,
London.S.W.1.
12th Dec.1931.

To Railway Engineers in India.

This is to state that the bearer of this letter Mr. A.Viswanath M.Sc. has been in our office some time on design. He was specially recommended to us by Prof.Dalby, under whom he studied for his degree. During his vacations he was at the Patent Shaft & Axletree Co's Works from whom we had a good reference.

He is clever in his ~~wo~~ work and conducted himself well while with us. One of his chief studies when at follege was the Balancing of locomotives and their effect on bridges. We understand he is studying the economics of Engineering.

Sd. (H.J.Fereday)
Rendel Palmer & Tritton

(True Copy)

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PERSONAL DETAILS AND RECORD OF SERVICE OF
Prof. A. VISWANATH, M. Sc., D.I.C., (Lond.) M.I.E.

PRESENT POSITION & ADDRESS.	Organising Principal for Vizagapatam & Anantpur Engineering Colleges. Principal's Quarters, Guindy.
PLACE AND DATE OF BIRTH.	Palghat, Malabar District, 13th September 1902.
GENERAL EDUCATION.	Intermediate in Arts & Science of Madras University, 1921.
TECHNICAL EDUCATION.	B.E. Degree of the Mysore University in Civil Engineering with distinction, 1926. A. C. G. I. Diploma of the City & Guilds Engineering College, London, in Mechanical Engineering. B.Sc. (Honours) of the London University in Mechanical Engineering, 1929. D. I. C. of the Imperial College of Science and Technology, London, for Post-graduate study in Mechanical Transport including Internal Combustion Engineering. M. Sc. of London University in Engineering by Research-work.
MEMBERSHIP OF LEARNED SOCIETIES.	Member of the Institution of Engineers, India.
MEMBERSHIP OF GOVT. COMMITTEES.	Member of the Internal Combustion Engine Exploratory Committee, and also of the Internal Combustion Engine Advisory Committee of the Govt. of India.
EXPERIENCE.	Over 15 years in Workshops, Drawing and Designing Office, and in Administrative capacity in various Engineering Firms, Iron and Steel works, Government, etc., as below. Draughtsman at Messrs. Richardson and Cruddas, Bombay. Estimator and Draughtsman at Messrs. Braithwaite & Co., Bombay. Apprentice at Messrs. The Patent Shaft & Axletree Co., Wednesbury, and Messrs. The Matropolitan Carriage Waggon and Finance Co., Wednesbury, in various Departments:—Power House, Bridge Yard, Press and Forge Shops, Carriage and Waggon Shop, Machine Shop, etc. Designer and Inspector at Messrs. Rendel Palmer and Tritton, Consulting Engineers to Govt. of India in London. Chief Designer to Messrs. Harrison & Crossfield, Quilon.

EXPERIENCE—(*Continued*)

Engineer and Assistant to the General Master Mechanic at Messrs. The Tata Iron & Steel Co., Jamshedpur. Erected a complete Sheet Mill Unit of capacity 50 tons in 8 hour shift including Furnaces, Rough and Finishing Mills, Conveyors, Heavy Gillotine Shear, Scrap baler, etc. Also routine work in connection with the maintenance of Steel Works Plant as Mills, Furnaces, Cranes, Skip hoist, Conveyors, Blowers, Pipe Lines, etc.—1934-36.

Recruited to Class I Service under Madras Government as Professor of Machanical Engineering and Head of Mechanical Department with charge of Power House, Work-shop, Laboratory, etc.—1936-41.

Regional Inspector and Senior Regional Inspector under the Govt. of India, Technical Training Scheme in which the Southern Circle has been the largest single Unit as regards Training Capacity and trained personnel supplied to the Defence Services—1941-44.

SPECIAL QUALIFICATIONS AND EXPERIENCE.

I. Has knowledge of a wide variety of Plant and Equipment in the following specialised lines :—

   i. Equipment for the Heavy Iron and Steel Industry.

   ii. Equipment for Research and Laboratory work.

   iii. Equipment for Educational Workshops.

   iv. Internal Combustion Power Plants of all Types.

II. As Head of the Mechanical Department at the College of Engineering, Guindy, has organised Advanced Study and Research on Internal Combustion Engineering. After extensive trials has developed a new Design of a High Speed Diesel Engine (*Vide* Separate Booklet). Patent Specifications Nos. 19814 of 18th April 1933 and 26005 of 26th December 1938 on same have been accepted by the Patent Office of the Govt. of India.

III. Has organised and developed the Technical Training Scheme in the Southern Circle which has attained the position of the largest single unit as regards Training Capacity and output of Trained Personnel, supplied to the Defence Services.

IV. In the capacity of an expert on Internal Combustion Engines, has been a member of the Internal Combustion Engine Advisory Committee of the Govt. of India.

22

-2-

ervants' application for posts (Madras Services) Rule~~s I.~~

age 18 of ~~Ref~~ (I)

For orders as to circulation.

I. Balakrishna Menon
Asst. secy 29/5/46

W
27.5.46

30/5/46

TSA
1-6-46

0.6.46

Ref.N.C.21/46.
dated 28th August 46.

DIRECTOR OF PUBLIC INSTRUCTION
1 OCT 1946

(3)

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SECRETARY, EDN. AND P. H. DEPT.
7 OCT 1946
GOVERNMENT OF MADRAS
59314

MINISTER FOR EDUCATION
SEP 1946
GOVT. OF MADRAS

C

From,
A.Viswanath,M.Sc.(Lond),A.C.G.I.,D.I.C.,M.I.E.,
Principal College of Engineering,Vizagapatam,
Cocanada.

To,
The Secretary to the Govt. of Madras,
Education Dept., Fort St. George,
Madras.

Thro'
The Director of Public Instruction,
Madras.

Sir,

X/15CF

J/INF

I have the honour to refer to G.O.No.Ms.1500 Edn. dated 1st August 1946 wherein the Govt. of Madras has been pleased to appoint me as Principal of the College of Engineering,Vizagapatam, for which I am very thankful.

I wish to bring to your notice in this connection that although in G.O.No.Ms.1308 Edn. dated 4th July 1946, His Excellency the Governor of Madras has been pleased to rule that the General and Special rules applicable to holders of the post of Principal of the Guindy Engineering College, shall apply also to the post of Principal of the Vizagapatam Engineering College, it is stated that in the matter of pay alone, a lower scale of pay Rs.1000/-1200/- will apply to the Vizag. Engineering College while for the Guindy College the scale Rs.1250/-1500/- is applicable. I have to represent that this lower scale of pay and thereby the status is unfair both for the individual and the College,as can be seen from below:-

Since revised into Rs.1000-75/2-1225

All Government Engineering Colleges in the Madras Presidency aim to coach up students to the highest University Standards in Engineering and as such there should be no differentiation in the status or salaries of the heads of the Colleges. Further each College is assigned to specialise in particular branches of Engineering such as-Naval Architecture,Highway Engineering,Communication Engineering,Mining,Aero Engineering,Automobile Engineering etc. A variation in the status of the Principal will tend to reflect on the relative value and importance that Government assign the the individual College and the course of studies therein.

The work and reponsibilities of the organising Principal of a new college are far greater than those of the Principal of an established running College.An inferior status assigned to the organising Principal may virtually amount to placing a handcap in his efforts to build up a new college which should be in no way inferior th the existing colleges. When other Professional Colleges c.f. a new Medical College or a new Agricultural College was stated in the presidency, there has been no similar considerations of differentiation. On these grounds again the status and salary of the organising Principal should not be lowered.

The Vizagapatam Engineering College is to specialise in Naval Architecture, which branch does not exist anywhere in India today. This new and essential nation-building branch will give it the position of an all-India College, and as such the status of the head of the College should not be made inferior to any other College.

Referring to me personally, in the capacity of Asst.Director Training in the Govt. of India Techl Training Scheme in charge of the four provinces Bengal,Behar,Assam and Orissa, I was drawing a salary of Rs.1250/- with prospects of promotion. I sought reversion to Madras Educational Educational Service on the expectation that I would be appointed Principal of the/College on the same scale as the Principal of the Guindy Engineerin College, so that I do not stand to incur a loss of emoluments by reversio

new/

I shall therefore be grateful if you will kindly move Government of Madras to revise the above G.O. and sanction me the sa scale of pay as for the Principal of the Guindy Engineering Colleg with effect from the date of appointment.

I have the honour to be,
Your obedient servant.

Cocanada,dated August 1946.

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Received in Section 20/10/46

38

BW 12/x

Education and Public Heal Deptt. (A)

Endt. No. 59314-A-1, d/ 12.10.46.

Referred for remarks to the Director of Public Instruction through whom the letter was to have been sent.

D.B.Menon

Asst. Secy. to Govt.

To ~~the~~ Director of Public Instruction.

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION, MADRAS.
R.C.NO.9015-C.1/46, Dated 16.12-1946.

x@x

Madras Educational Service - Post of Principal, College of Engineering, Vizagapatam at Cocanada - Enhancement of the scale of pay - Request from Sri A. Viswanath - Remarks submitted.

p.1 ante

77668

Ref: Letter Ref.NC219/46 dated 28-8-46 from the Principal, College of Engineering, Vizagapatam at Cocanada and Endt No.59314 A.1. dated 12-10-46 of the Government Education and Public Health Department.

p.2 ante

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ASST. SECRETARY TO GOVERNMENT
17 DEC 1946
EDUCATION AND PUBLIC HEALTH DEPT.

Resubmitted.

not put up

2. In G.O.No.Ms.1922 Edn dated 7-10-1946 the scale of pay of the post of Principal, College of Engineering, Vizagapatam at Cocanada has been revised as Rs.1000-75/2-1225. The main reasons put forth by Sri A. Viswanath for rasing the scale of pay for the post of Principal of the Vizagapatam College of Engineering and to placing it on a par with the post of Principal, College of Engineering, Guindy, are the following:-

from Rs.1000-50/2-1200

(1) The Vizagapatam College of Engineering is in the nature of an All-India Institution inasmuch as it is intended to impart instruction in Marine and Aero-nautical Engineering which courses do not exist in any other college in India

(2) The college being in the process of development the Principal has to shoulder duties and responsibilities more onerous and heavy than the Principal of a well-established college as the Guindy Engineering college.

(3) Assigning an inferior status to the Vizagapatam College of Engineering will tend to reflect on the relative value and importance of the institution as well as the individual concerned.

(4) Personally, he states that at the time he reverted to the Education Department he was drawing a salary of Rs.1250/ with prospects of promotion in the Government of India.

The following remarks are submitted on the above arguments:-

(1) As a matter of fact every Engineering College that has been opened recently or proposed to be opened in future, is intended to specialise in some branch of Engineering, in addition to the basic courses in Civil, Mechanical and Electrical Engineering. For instance, the A.H.College of Technology, Coimbatore, is intended to provide for specialised studies in Automobile Engineering and Textile Technology. For the present, the Vizagapatam College of Engineering is having only the basic courses and by the time it develops into a full-fledged college with the Special courses, the question of revising the scale of pay of the principal may be taken up. It may also be noted that recently the Government of India have stated that inview of the Government of India starting an all India Aeronautical training institution the question of starting the College at Vizagapatam may be reconsidered. In the circumstances it seems very unlikely that for some years to come at least the college if it is started there at all will have almost the usual subjects only.

(2) Realising the difficulties that a Principal of a new college may have in the matter of finding a site, construction of buildings, purchase of furniture and equipment, setting up of laboratories, workshops etc. Government have sanctione

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: 2 :

sanctioned a special pay of Rs.75/- per mensemto the rincipal. - Vide G.O.Mis.1500 Edn dated 1-8-46. The uestion of raising this special pay is separately under consideration. The contention that the Principal of a new Engineering College has greater responsibilities than the principal of a well-established College cannot be accepted.

x/15 c.f. para 2

probably by D.P.I. at the moment

(3) There is no question of assigning any inferior status to the Vizagapatam College of Engineering. It has been assigned the same status as the other two new Government Colleges of Engineering in the Province. As already pointed out under sub-para (1) above the differentiation between the new and old institutions in the matter of scales of pay of Principals will have to be given up when the new institutions become ful-fledged ones with all the courses complete and working. The fact that Dr. Rudra, the present Principal, A.H.College of Technology, Coimbatore, is drawing pay in the scale of Rs.1250-1500 is a special case - Vide G.O.No.Ms.1099 Edn dated 4-6-46.

w/7-8

(4) Sri A. Viswanath was reverted to the Education Department with effect from 28-2-1946. He was not reverted to the Edn Department at the local Government's request nor is it correct to state that it was at his own request. The Government of India themselves decided to revert him to his permanent post - Vide letter No.RTA.6 dated 17-1-1946 from the Government of India, Department of Labour (Directorate General of Resettlement and Employment) New Delhi, copy forwarded to the Director with Government Education and Public Health Department Endt. No.34414/45-A.4 Edn dated 24-1-1946. If by reversion he has suffered a reduction in his emoluments it was inevitable.

3. In the above circumstances, it is submitted that the question of revising the scale of pay of the post of the Principal of the Vizagapatam College of Engineering, may be considered along with that of the Principals of the other two new Engineering Colleges in the Province, some years later, i.e. after all the courses intended for each of these new colleges are opened and they begin to work in full swing.

for Director of Public Instruction.

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

RVR 16/12/-

Sd 16/12

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(15)

26/1

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20/1

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

MEMO.No. 59314-D-1 dated 22.1.47

Request of Sri A.Viswanath, Principal, College of Engg. Cocanada, for same pay as that of ~~is allowed to~~ Principal, College of Engg., Guindy.

pp.3-4 c.f.

Ref:- From the D.P.I., No.9015-C1/46, dated 16-12-1946.

The D.P.I. is requested to inform Sri A.Viswanath that the Govt. do not propose to take up at present the further revision of the scale of pay of the post of Principal, College of Engg., Vizagapatam, located at Cocanada.

To the D.P.I.

24.12 24/12/46.

3/1/47

4/1/47.

cf. 3-4

NOTE:- The D.P.I. has met all the main points of argument, put forward by Sri. Viswanath in his petition (cf. 1), for sanctioning to the Principal of the Cocanada Engg.College the same scale of pay as the Guindy College Principal is eligible for, it seems, and he has rightly concluded that the revision of the pay of the Cocanada Principal may be considered later, after all the courses intended for each of the three new Engg.Colleges are opened and the colleges ~~they~~ begin to work in full swing. It may also be ~~stated~~ mentioned here that the question of granting an allce. (honoraria) to Sri Viswanath for his extra duties as Secretary to the Expert Committee (on Engg.Colleges) and for having served as Organizing Principal of the Engg.Colleges, Anantapur and Vizagapatam, is under separate consideration; the Dir. did not recommend the officer's request for ~~separate~~ an addl. allce. and he has been ~~requested~~ asked to indicate his reasons for that recommendation. The officer's present

para 3, p.4 cf

59314-A
26/1/47

est does not seem to deserve consideration. The draft Memo. overleaf is approval. Finance may see before circn.

24/12/46.

3/1/47 S / Finance
Fin Edn III

EPH U.O. No.
59314-2-A
4 . 1 . 47

401/E III

ASST. SECRETARY TO GOVERNMENT
6 JAN 1947
FINANCE DEPARTMENT

The draft memo. overleaf may be perused and the case returned to E.&P.H.

12/1/47

11.1.47

ASST. SECRETARY TO GOVERNMENT
15 JAN 1947
EDUCATION AND PUBLIC HEALTH DEPT.

U.O. 401 E III
15-1-47.

EPH

For orders as to circulation

15/1/47 S

16/1/47

SECRETARY, EDN. AND P. H. DEPT.
22 JAN 1947
GOVERNMENT OF MADRAS

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IM (Cir) TSA
22-1-47

A (16)

OFFICE OF THE
DIRECTOR OF PUBLIC INSTRUCTION,
MADRAS.

N.R.C. No. 11797 C-1/46, Dated the 20th December 1946.

Subject:- Madras Educational Service - Sri A.Viswanath, Principal, College of Engineering, ~~at~~ Vizagapatam at Cocanada - Application for a post under the Government of Bengal - Submitted.

***

Reference:- Letter Ref. N.C.No.822/46, dated 9th Decr., 1946 from Sri A.Viswanath, Principal, College of Engineering, Cocanada.

S u b m i t t e d.

78876

ASST. SECRETARY TO GOVERNMENT
21 DEC 1946
EDUCATION AND PUBLIC HEALTH DEPT.

For DIRECTOR OF PUBLIC INSTRUCTION.

To the Secretary to Government,
Education & Public Health Department,
Madras. (with enclosures)

Seen. 23rd.

Ref.N.C.No.822/46.
dated 9th Dec.1946.

From,
A.Viswanath,M.Sc.(Lond.),A.C.G.I.,D.I.C.,(M.I.E.),
Principal,College of Engineering,
Cocanada.

To,
The Secretary to the Govt. of Madras,
Education Dept.
Madras.
Thro'
The Director of Public Instruction,
Madras.

DIRECTOR OF PUBLIC INSTRUCTION
12 DEC 1946
MADRAS

Kept below

Sir,

1 I request that the enclosed application may be duly forwarded so as to reach the Secretary,Public Service Commission,Calcutta, before the 21st. inst.

2 In this connection I have to state that if I am selected for the post applied for,I am willing to resign from the Madras Education Service.

3 I wish also to point out that on a former occasion the Govt. of Madras refused to forward a similar application for the post of Principal of the Punjab Engineering College(vide Mem.No.27676-A.1.Edn.dated 3.6.46.-) I have naturally assumed that I will be given better prospects in Madras Service itself.But to my disappointment when the post of Principalship of the Vizag.Engineering College was given to me,its salary scale was reduced; this coupled with my posting to a linguistic area different to my mothertongue has dislocated the education of my children.Further I am forced to relinquish

V/21

........th

3

the Govt. quarters at Guindy and live a miserable life with my famil in Military Hospital Camp (the premises of the College at present), which is the only accomodation available. It is with the greatest anxiety that I am looking to the coming summer vacation when the college will be closed and there will be not a soul in this place, (which is 2 miles outside the municipal limits). In a separate representation I am detailing my disabilitie sacrifices and financial losses, and earnestly request that Govt. will not stand in the way of my seeking better fecilities and prospects elsewhere.

A Viswanath
A. Viswanath.
Principal.

11/28/1 (18)

29/1

p. 1 cf

~~Cm. of O.H. Deptt. (A)~~

Memo. No. 78816-A-1, d/ 27.1.47

M.E.S. — Sri A. Viswanath, Principal, College of Engg., Cocanada — Appln. for appt. elsewhere.

Ref:— from the D.P.I., No. 11797-C1/46, d/— 20.12.46

The D.P.I. is requested to inform Sri A. Viswanath that his appln. for the post of Principal, Bengal Engg. College, Sibpore, has been withheld

To the ~~D.P.I.~~ Appln. retd. 1.
" S., ~~F.D.S.~~ —

24.1.47 24/1/47

25/1/47

[illegible] encl to DPI.
25/1

78876-A
6/1/47

(19)

[illegible]n. and [illegible]

p. 1 c.f.

From the D.P.I., No.11797-C1/46, dated 20-12-46.

M.E.S. - Sri A.Viswanath, Principal, Engg.College, Cocanada - Appln. for appt. elsewhere.

(b)

p.3 c.f.

& December 1946

Sri A.Viswanath, Principal, Engg.College, Cocanada, has applied to the post of Principal, Bengal Engg.College, Sibpore, and has requested that the appln. may be forwarded so as to reach the Secy., Calcutta Pub. Ser. Comm., before 21st of this month. This date has alread expired. (Sri Viswanath's letter is dated 9/12 c.f. 1 and the D.P.I.'s endt. 20/12/46. c.f. p) The Dir. has not offered any remarks on the appln. w.r.t. rule (3) at "I"/18 - i.e, whether the appln. may be forwarded or should be withheld in the public interest. As the officer has invited attention p. 1 c.f. to a previous appln. ~~for~~ of his for the Principalship of the Punjab Engg. College - which was withheld by the Govt., apparently the D.P.I. consider that the remarks offered by him on that occasion will continue to hold good now. Those remarks are at "r"/20. It is for orders whether, in this view, the appln. may be withheld. [For the reasons detailed in para 3 ~~of his letter~~ at pp.2-3 c.f., the Principal requests that the Govt. will not stand in the way of his seeking better prospects elsewhere. Pl. see, in this connection, also the papers in the L.F.×, wherein it is proposed ~~to~~ not to allow his request for granting him the same pay as is now admissible to the Guindy Engg.College Principal.]

(r)

May be withheld.

× Dislinked & sent to Finance. Will be Od in due course

1000-75/2-1,100

Rs.1250-75/2-1400-100/2-1500

For orders as to circn. to H.M. (Edn.).

P.G.
24.12.46
24/12/46.

3/1/47

S
4/1/47

H.M. (Edn.)
TSA
22.1.47

22 JAN 1947

The draft Memo. below is for approval.

P.G.
24.1.47
24/1/47

28/1/47

R.C.No.11797 C1/46. A (20)

Office of the
Director of Public Instruction,
Madras, Dated 28-1-1947.

28

ASST. SECRETARY TO GOVERNMENT, EDUCATION AND
31 JAN 1947
781

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

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

Sir,

Sub:- Madras Educational Service - Sri A. Viswanath, Officiating Principal, College of Engineering, Cocanada - Application for a post under the Government of India - Submitting.

-- -

In submitting herewith an Application dated 21-1-1947 from Sri A. Viswanath, Officiating Principal, College of Engineering, Vizagapatam at Cocanada, addressed to the Deputy Secretary to the Government of India, Department of Industries and Supplies, New Delhi, applying for the post of Director of the Indian Standards Institution, I have the honour to state as follows:--

2. Although it will be difficult to relieve Sri A. Viswanath should he be appointed elsewhere, yet I doubt very much whether he will be appointed to the post to which he is now applying. I feel that if his application is not forwarded he will make it a grievance and ask for more pay, special treatment, etc. here. I, therefore, suggest that his present application may be forwarded.

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

for Director of Public Instruction

m.k.29/1. 29/1

29

This Application should reach
New Delhi before 10th February 1947. (2)

Ref.No.N.C. 65 /47.
Dated: 21st Jan.'47.

DIRECTOR OF PUBLIC INSTRUCTION
23 JAN 1947
MADRAS

From

A. Viswanath, M.Sc.Eng. (Lond)., A.C.G.I.,D.I.C.,M.I.E.,
Organising Principal, College of Engineering (Vizagapatam),
COCANADA.

To

J.D. Kapadia, Esq.,
Deputy Secretary to the Government of India,
Department of Industries and Supplies,
NEW DELHI.

Through

The Director of Public Instruction & Secretary, Education Dept.,
MADRAS.

Sir,

In reference to your advertisement I have the honour to make this application for the post of Director of the Indian Standards Institution.

I. The enclosed sheet stating details of my qualifications and experience will show that I am qualified in:-

Mechanical Engineering.
Electric (Traction) Engineering.
Railway Engineering.
Power Plant Engineering.
Structural Engineering. Etc.

II. Regarding my experience in Standards and Inspection work, I wish to state that:-

i. I have been trained to be an Inspector of Engineering Equipment and Structures under Messrs. Rendel Palmer & Tritton, Consulting Engineers to the Government of India and Railways in London.

ii. I have organised, equipped and carried out standard tests in Testing Laboratories in Engineering Institutions and Works.As Engineering Research worker I have intimate knowledge of International Standards, and Testing practice.

iii. As a member of the Internal Combustion Engine Advisory Committee, I am actively associated with the formulation of a Standards Laboratory and Test House for I.C. Prime Movers in India, and in touch with the work of National Standards Organisations in other countries.

III. As regards my experience, I have worked my up through every phase of Engineering-from Apprentice, Draughtsman, Estimator, Erector, Maintenance and Operation Engineer, Inspector, Designer, Research worker, Professor, Organiser of Technical Training Institutions, and until recently Assistant Director of the Government of India Technical Training Scheme in charge of the 4 provinces Assam, Bengal, Behar & Orissa. At present I am the Organising Principal of the Vizagapatam Engineering College, which will be the firstinstitution in India to train Naval Architects and Marine Engineers.

IV. In the capacity of a Technical Expert I am associated with many expert organisations such as:

The Internal Combustion Engine Advisory Committee of the Government of India.
The Prime Movers Panel.
Institution of Engineers. Technical Education Committee.
Council of Scientific and Industrial Research. Etc.

I have a special reputation for Organising new schemes and Institutions c.f., The War Technicians Training Scheme, New Engineering Colleges etc.

P.T.O.

V. Finally I am one of those who have taken a keen interest in the early establishment of an Indian Standards Association as can be seen from the enclosed extracts of my remarks on the Proposals for a National Physical Laboratory for India.

I shall be grateful if you will select me for the post.

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

COCANADA,
D/21-1-1947.

A. Viswanath
(A.Viswanath)

Advance copy to The Deputy Secretary to the Government of India, Department of Industries and Supplies, New Delhi.

References:-

1. H. Tufnell Barratt, Esq., I.C.S.,
   Commissioner of Civil Supplies,
   CALCUTTA.
2. A.F.W. Dixon, Esq., I.C.S.,
   Member, Board of Revenue,
   MADRAS.
3. Dr. S.R.U. Savoor, Esq., I.C.S.,
   Director of Public Instruction,
   MADRAS.

PERSONAL DETAILS AND RECORD OF SERVICE OF

Prof. A. VISWANATH, M. Sc., D.I.C., (Lond.) M.I.E.

PRESENT POSITION & ADDRESS.	Organising Principal, College of Engineering (Vizagapatam), Cocanada.
PLACE AND DATE OF BIRTH.	Palghat, Malabar District, 13th September 1902.
GENERAL EDUCATION.	Intermediate in Arts & Science of Madras University, 1921.
TECHNICAL EDUCATION.	B.E. Degree of the Mysore University in Civil Engineering with distinction, 1926. A. C. G. I. Diploma of the City & Guilds Engineering College, London, in Mechanical Engineering. B.Sc. (Honours) of the London University in Mechanical Engineering, 1929. D. I. C. of the Imperial College of Science and Technology, London, for Post-graduate study in Mechanical Transport including Internal Combustion Engineering. M. Sc. of London University in Engineering by Research-work.
MEMBERSHIP OF LEARNED SOCIETIES.	Member of the Institution of Engineers, India. Member of the Prime Mover Panel, Government of India.
MEMBERSHIP OF GOVT. COMMITTEES.	Member of the Internal Combustion Engine Exploratory Committee, and also of the Internal Combustion Engine Advisory Committee of the Govt. of India.
EXPERIENCE.	Over 18 years in Workshops, Drawing and Designing Office, and in Administrative capacity in various Engineering Firms, Iron and Steel works, Government, etc., as below. Draughtsman at Messrs. Richardson and Cruddas, Bombay. Estimator and Draughtsman at Messrs. Braithwaite & Co., Bombay. Apprentice at Messrs. The Patent Shaft & Axletree Co., Wednesbury, and Messrs. The Matropolitan Carriage Waggon and Finance Co., Wednesbury, in various Departments :—Power House, Bridge Yard, Press and Forge Shops, Carriage and Waggon Shop, Machine Shop, etc. Designer and Inspector at Messrs. Rendel Palmer and Tritton, Consulting Engineers to Govt. of India in London. Chief Designer to Messrs. Harrison & Crossfield, Quilon.

EXPERIENCE—(*Continued*)

Engineer and Assistant to the General Master Mechanic at Messrs. The Tata Iron & Steel Co., Jamshedpur. Erected a complete Sheet Mill Unit of capacity 50 tons in 8 hour shift including Furnaces, Rough and Finishing Mills, Conveyors, Heavy Gillotine Shear, Scrap baler, etc. Also routine work in connection with the maintenance of Steel Works Plant as Mills, Furnaces, Cranes, Skip hoist, Conveyors, Blowers, Pipe Lines, etc.—1934-36.

Recruited to Class I Service under Madras Government as Professor of Machanical Engineering and Head of Mechanical Department with charge of Power House, Work-shop, Laboratory, etc.—1936-41.

Regional Inspector and Senior Regional Inspector under the Govt. of India Technical Training Scheme-1941-44.

Asst. Director of Training in charge of the four Provinces-Assam, Bengal, Behar & Orissa-1944-46.

SPECIAL QUALIFICATIONS AND EXPERIENCE.

I. Has knowledge of a wide variety of Plant and Equipment in the following specialised lines :—

  - i. Equipment for the Heavy Iron and Steel Industry.
  - ii. Equipment for Research and ~~Laboratory work.~~ Testing Laboratory.
  - iii. Equipment for Educational Workshops.
  - iv. Internal Combustion Power Plants of all Types.

II. As Head of the Mechanical Department at the College of Engineering, Guindy, has organised Advanced Study and Research on Internal Combustion Engineering. After extensive trials has developed a new Design of a High Speed Diesel Engine (*Vide* Separate Booklet). Patent Specifications Nos. 19814 of 18th April 1933 and 26005 of 26th December 1938 on same have been accepted by the Patent Office of the Govt. of India.

III. Has organised and developed the Technical Training Scheme in the Southern Circle which has attained the position of the largest single unit as regards Training Capacity and output of Trained Personnel, supplied to the Defence Services.

IV. In the capacity of an expert on Internal Combustion Engines, has been a member of the Internal Combustion Engine Advisory Committee of the Govt. of India.

RENDEL PALMER & TRITTON.

Consulting Engineers to the Government of India.

55 Broadway,
Westminster,
London.S.W.1.

12th Dec.1931.

This is to certify that the bearer of this letter Mr.A.Viswanath,M.Sc. has been in our office sometime on design. He was specially recommended to us by Prof. Dalby under whom he studied for his degree. During his vacations he was at the Patent Shaft & Axletree Co's Bridge Works, from whom we had a good reference.

He is clever in his work and conducted himself well while with us. One of his chief studies when at College was the Balancing of Locomotives and their effect on Bridges. We understand he is studying the Economics of Engineering.

Sd. (H.J. Fereday)

RENDEL PALMER & TRITTON.

/ True copy /

28

7/34

NATIONAL STANDARDS ORGANISATIONS.

of Great Britain.	of U.S.A.	International.	of India.	REMARKS.
British Standards Association which is a Federation of Technical Institutions, Government Departments & Industrial Associations. The Federation Members are:- Air Ministry. Board of Trade. Institution of Mechanical Engineers. Institution of Civil Engineers. Institution of Automobile Engineers. Institution of Electrical Engineers. Institution of Naval Architects. Institution of Petroleum Technologists, Etc. Etc. National Physical Laboratory and Various similar organisations, and Govt. Departments, Etc.	American Standards Association which is a Federation of 26 Technical Societies, 11 Trade Associations, and 8 departments of Federal Govt. Among these are included the Bureau of Standards of the Commerce Deptt, Bureau of Mines of the Commerce Department, The Federal Specifications Board of the Bureau of Standards, National Advisory Committee for Aeronautics, Bureau of Entomology etc., Etc.	International Standards Association of which the National Standardisation Boards of 16 countries are Members. During the War the United Nations Standards Organisation has been developed for securing interchangability between the United Nations.	No Indian Standards ASSOCIATION now exists. National Physical Laboratory and various other National Laboratories now proposed, The Institution of Engineers, Mining & Geology Institute, Railway Standardisation Deptt. Central Cotton Institute, etc. etc. etc. will all be constituent members when an Indian Standards Association is formed.	Note - Position in India. India is at present adopting British Standards Association Specifications and Standards. The Institution of Engineers (India) acts as the official representative of the British Standards Association. The Indian Railways, however, have found it necessary to have a separate Standardisation Department as British Railway Standards in many cases do not apply to India in view of fact that the Standard Indian Broadgauge Railway i.e. 5' 6" whereas the British Railway Gauge is 4' 8½". On this account and on other considerations the Standardisation Department of the Railway Board issue standards and specifications for many material structures used by Indian Railways.

EXTRACTS FROM REMARKS ON THE PROPOSALS OF THE NATIONAL PHYSICAL LABORATORY PLANNING COMMITTEE SENT TO THE COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH ON 11th January 1945.

** ** ** **

II. I should add a note on the proposals to incorporate a Central Specifications Board in the National Physical Laboratory. In this connection I envisage the urgent need for India to have first an Indian Standards Association, Committee or Bureau, by whatever name it may be called. The enclosed tabulated statement will show clearly the present position of India in relation to British, American and International Standards Associations. It will be seen that India at present blindly adopts the British Standards Association Specifications as its own and this position will not give individuality to Indian Industries or Indian Products. In other words, Indian Achievements will be constrained to move along the Lines of Thought and Progress set by British Standards giving no room for Originality or Independent Initiative until an Indian Standards Association comes into being. This Indian Standards Association will be at liberty to prescribe independent Standards for India or adopt the best Standards of any Country as its own with or without modifications that may be necessary to suit Indian Conditions.

I wish the Committee to move this Subject as one of Prime importance. The proposed National Laboratory and the Specifications Board etc., will of course be among the constituent Bodies of the Indian Standards Association mentioned above.

Sd. A. Viswanath,
9-1-45.

16-17 (V) Memo. No. 7181-A-1, dt 7-2-47 E & P.H. (?)

~~2 papers for issue~~ 8/2 CF

11/2

M.E.S. – Sri A. Viswanath, Principal, College of Engg., Cocanada – Appln. for appt. elsewhere.

Ref: – From the D.P.I., No. 11797-C1/46, dt – 28.1.47

The Govt. have decided, in the public interest, not to forward to the G. of I. the appln. of Sri A. Viswanath for the post of Director of Indian Standards Institution. The D.P.I. is requested to inform the officer accordingly.

7/2/47

To the D.P.I.

P.G. 47
6.2.
6/2/47

36

C.7181. (20) From the D.P.I., No.11797-C/1-46 dated 28-1-194

C.F. 1

M.E.S. - Sri Viswanath, Principal, College of Eng
Cocanada - Appln. for appointment elsewhere.

1/24 + T/4 C.F.

C.F. 2-3

C.F. 1

C.F. 1

(2)

Twice, recently, applns. from Sri A.Viswanath (Principal, College of Engg., Cocanada) for appts. elsewhere, were withheld by Govt. in the public interest. Now, he has applied for the post of Director of Indian Standards Institution, under the Govt. of India, Dept. of Industries and Supplies. The D.P.I. says that although it will be difficult to relieve Sri Viswanath should he be appointed elsewhere - yet he doubts very much whether he will be apptd. to the post to which he is applying and that he feels that, if the appln. is not forwarded, the officer will make it a grievance and ask for more pay, special treatment, etc. under this Govt. He, therefore, suggests that the appln. may be forwarde A perusal of "T"/2-3 C.F. would show that the Dir.'s fear that Sri Viswanath will ask for more pay if his appln. is withheld, is well-founded. [Some time before, the officer also made a request that the Cocanada Engg. College Principal might be paid the same scale of pay as the Guindy College Principal. This request was turned down.] However, it seems that, to forward the application, hoping that the post will not be given to him, ~~does not seem~~ is not ~~to be~~ quite a sound proposition. If, contrary to expectation, Sri Viswanath is appointed, ~~it would be rather an inconvenient situation for this Govt. to be in~~ the Govt. will then be placed in an embarrassing situation, as it will ~~then~~ be difficult to spare his services. It is for orders whether the appln. may, therefore, be withheld in the public interest, or whether it may be forwarded as suggested by the Dir.

May be circd.

P.G.
3.2.47

3/2/47

3/2/47 S

The only relevant question is whether the Dir. be [illegible]. Agreed. In view of D.P.I's recommendation the application need not be forwarded [illegible] may be withheld in the public interest. No officer has the right to claim that an application of this kind should be forwarded so that he may have better prospects here [illegible]. It is always open to him to resign & apply if he chooses.

5/2/47 H.M. (Edn)

May be withheld
TSA
6.2.47

SECRETARY, EDN. AND P. H. DEPT.
6 FEB 1947
GOVERNMENT OF MADRAS

A draft memo. is subd

[illegible]
8/2/47

7/2/47

Ref.No.
dated 7th Jan.1947.

(29)

39

From,

A.Viswanath.M.Sc.(Lond),A.C.G.I.,D.I.C.,M.I.E.
Principal,College of Engineering,
Cocanada.

To,

The Secretary to the Govt. of Madras,
Education Dept.
Madras.

Thro'

The Director of Public Instruction,Madras.

Sub:- Representation for transfer to Tamil Area.

P81

3658

ASST. SECRETARY TO GOVERNMENT
20 JAN 1947

Sir,

It is 6 months since I have been organising this new Engineering College.Starting from scratch, with a few empty hospital wards located outside the municipal limits, with no preliminary preparation work I undertook the duties of organising this college single handed at barely a fortnight's notice.There has been no philathropic local hand (like Mr.G.D.Naidu at Coimbatore) to help with men and resources, and the only staff I had at start was a newly promoted laboratory assistant. Government are aware that there is no housing accomodation or hotel and conveniences available for the staff members in this place. Working 24 hours a day without satisfactory arrangements for my bare necessities of life, leaving behind my family and children at Guindy without anyone to look after them (especially in these days of rationing), and sacrificing the education of my children, I have put in my utmost conscientious effort to organise the college. It has now been brought into routine running order, and the Andhra University Commission that recently inspected the college, being satisfied with the arrangements, have recommended affiliation.(The Commission consisted of Sir J.C.Ghosh, director of the Indian Institute of Science Bangalore,Mr.Taraporewala Principal of Poona Engineering College, and Mr.Sen Gupta principal of Benares Engineering College.)

All this time I have been carrying out the strenuous work at great sacrifice to myself, my family and the education of my children, without a murmer considering duty as my first concern and everything else as secondary. Now that the initial spadework of organising the college is done, the further work consists in getting the permanent buildings and equipment ready at Vizagapatam.This work and the duties connected with the eventual shifting of the college does not require my presence here.I am therefore now making this representation for my transfer to the Guindy or Coimbatore Engineering College as Principal, from where I can carry out the additional duties of organising arrangement for the permanent college at Vizagapatam, if required to do so.

I further submit my claims for transfer to Tamil area as follows:-

The Government have accepted the principle of posting their officers in the same linguistic areas as their mother tongue, particularly after the national Ministry's decision to replace English by the regional and all-India languages in Educational and Public spheres.I am a tamilian and there are 2 Government Engineering Colleges in Tamil linguistic area (Madras & Coimbatore), to both of which officers of non-Tamil linguistic provinces are posted.Thes officers belong to outside provinces and to them it makes no difference in whatever part of Madras Provinces they are posted.To me it is a serious handicap to the education of my children if I am posted outside Tamil linguistic area;besides I am put to heavy sacrifices and financial loss as already stated.

/to be posted/

An opportunity for such a transfer has now occured.On the reversion of Dr.Rudra from Coimbatore to Madras it is my natural and legitimate claim as a Tamilian/to this college in the Tamil area, in preference to a new and consequentally promoted Principal-Mr.Sadarangani, who belonging to the province of Sind cannot have any linguistic area claim in Madras.

I therefore request that my claims should be recognised by giving

P.T.O

giving me an immediate transfer to Coimbatore, to relieve me from the handicaps and sacrifices I am put to here.

7th Jan.1947.

A. Viswanath
A.Viswanath.

R.C.No. 189 C.1/47, dated 12--1--1947

Submitted.

2. In the circumstances stated by Sri A. Viswanath his request for a transfer to the Tamil area will be considered by the Director during the summer vacation of 1947.

For Director of Public Instruction.

To
The Secretary to Govt.,
Edn & P.H. Dept.

P.R.K. 16/1/47

16/1/47.

3658-A
10/2/47.

26
18/2

p.2 cf.

2 ON

E J O. H (A)

41

Memo. No. 3658 — A.1, d/ -- 2-47

M.E.S. – Sri A. Viswanath, Principal, College of Engg., Cocanada – Request for transfer to Tamil area.

Ref:– From the D.P.I., Endt. R.C.No. 189-C1/47, d/ 12-1-47.

The D.P.I. is requested to give a reply to Sri A. Viswanath on the lines of para 2 of his Endt. cited above.

p.2 cf.

P.G.
4.2.47

5/2/47

6/2/47 S / H.M. (Edn)?

8/2/47

TSA
15.2-47

HM (Con)

To the D.P.I.

dfd
20/2

SECRETARY, EDN. AND P. H. DEPT.
17 FEB 1947
GOVERNMENT OF MADRAS

dated 1st oct.194

(31)

From,
A.Viswanath.M.Sc.eng.(Lond),
A.C.G.I.,D.I.C.,M.I.E.,
Principal,College of Engineering,
Cocanada.

To,
The Secretary to the Govt. of Madras,
Education Dept.,
Madras.

Thro'
The D.P.I.,
Madras.

ASST. SECRETARY TO GOVERNMENT
71579
22 NOV 1946
EDUCATION AND PUBLIC HEALTH DEPT.

Sir,

G/181-2 C.F.
d/9-10 C.F.

I invite a reference to G.O.No.889 Edn.dated 27th april 1946, and G.O.No.Ms.1213 Edn. dated 18th june 1946, appointing me as organising Principal and Secretary to the Expert Committee appointed to advise on of the new engineering colleges,in addition to my normal duties.

The work connected with formulating detailed schemes for the opening of the 2 new colleges at short notice involved very considerable extra work of a highly specialised and responsible nature.Further the secretarial work as Secretary and Convener of the Expert Committee Meetings consisting of 18 Experts-in preparing material for consideration at meetings,corrsponding with members forwarding their T.A.Claims,note-taking and reporting at meetings, preparing the minutes etc.etc.-all involve heavy extra work of a technical and resposible nature.

In recognition of the extra work and responsibilites as mentioned above,I shall be grateful if the Government would kindly grant me an honourarium or allowance at 25% of my pay,and request you to do the needful in the matter.

I have the honour to be,sir,
your obedient servant,

Cocanada.
1st october 1946.

Office of the Director of Public
Instruction, Madras.
Roc.501 K2/46 dated 19-11-1946.

Submitted.

2. The request of the Principal is not recommended.

for Director of Public Instruction.

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

k.h.20-11.

20/11

17

No.G.A.IV:Edn.942. Office of the Accountant General,
Madras-9, dated 11th November 46.

A

43 M

To

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

ASST. SECRETARY TO GOVERNMENT
14 NOV 1946
69404
EDUCATION AND PUBLIC HEALTH DEPT.

~~Copy~~ College of Engineering, Vizagapatam-Eventual shifting to Vizagapatam-Special pay to Mr. A.Viswanath.
Reference:-G.O.Ms.1500 Edn. dated 1-8-46. X/15 C.F.

......

In paragraph 2 of the G.O. cited above Sri A. Viswanath was granted a special pay of Rs.75/- p.m. for performing the duties connected with the eventual shifting of the Engineering College from Cocanada to Vizagapatam. The date from which the special pay is to be given to the Officer may kindly be intimated.

Assistant Accounts Officer.

V.

E.O.H.(A) 44

(33)

6/9/ 10/

Memo. No. 71579-A-1, d/ 8.12.46

Sri A. Viswanath, Offg. Principal, Engg. College, Cocanada — Request for addl. remuneration for special work

Ref:— From the D.P.I., No. 501-K2/46, d/ 19.11.46

Bottom of CF. 1

The D.P.I. is requested to indicate his reasons for not recommending the request of Sri A. Viswanath made in his letter of 1.10.46.

CF. 1

To the D.P.I.

P.S.
6.12.46

6/12/46.

8/12/46.

REMINDER.

Ref:-N.C.No. 828/46 Dated: 10th December 1946. 45

34

From

A. Viswanath, M.Sc. (Lond).,
A.C.G.I., D.I.C., M.I.E.,
Principal, College of
Engineering, COCANADA.

SECRETARY, EDN. AND P.H. DEPT.
12 DEC 1946
GOVERNMENT OF MADRAS

To

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

76742

Through

The Director of Public Instruction,
MADRAS.

Sir,

I invite your attention to my letter No.N.C.219/46 dated 1st Oct.1946 requesting me to grant an Honoraria allowance for extra duties and Additional work as Secretary to the Expert Committee appointed to advise on the new Engineering Colleges as well as Organising Principal. I request you to expedite early orders.

A. Viswanath
Principal

Copy

M.V. Subrahmanyam Esq., I.C.S.,
Secretary to Government, Government of Madras, MADRAS.

[illegible]

46

(130)

REMINDER.

Ref:-N.C.No. 828/46 ~~Same~~ a/p Same F01/40

Dated: 10th December 1946.

From

A. Viswanath, M.Sc. (Lond).,
A.C.G.I.,D.I.C.,M.I.E.,
Principal, College of
Engineering, COCANADA.

Rc 8980 W.
12 DEC 1946
MADRAS

Ae. 501-K2/46

To

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

Through

The Director of Public Instruction,
MADRAS.

Sir,

I invite your attention to my letter No.N.C.219/46 dated 1st Oct.1946 requesting me to grant an Honoraria allowance for extra duties and Additional work as Secretary to the Expert Committee appointed to advise on the new Engineering Colleges as well as Organising Principal. I request you to expedite early orders.

A. Viswanath.
Principal

Transferred to K. Section
18/12/46.
18/12

47

DDP

332

Roc 501 K2/46 d 4.1.47

Submitted

D dean
4.1.47.

For Director of Public Instruction

ASST. SECRETARY TO GOVERNMENT
6 JAN 1947
EDUCATION AND PUBLIC HEALTH DEPT.

GR
set trub
28/12/-

To
The Secretary to Government
Education & P. H. Dept.

1/21 NN ㊱ 48

ASST. SECRETARY TO GOVERNMENT
24 DEC 1946
EDUCATION AND PUBLIC HEALTH DEPT.

R.O.C.No.501-K.2/46

Office of the
Director of Public Instruction,
Madras, Dated 23-12-1946.

From

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

To

The Secretary to Government,
Education and Public Health Department.

Sir,

79329

Sub: Engineering College, Cocanada - Sri A. Viswanath, Principal - Grant of additional remuneration for special work.

Ref: Govt. Memo.No.71579-A.1 dated 8-12-1946.

X/1-2 of.

X/2+4-9 NC

I have the honour to state that in my letter RC. No.2082 C/45 dated 29-6-1946, I recommended the payment to Sri A.Viswanath of a charge allowance of 1/5 of his substantive pay as in the case of the Principal, College of Engineering, Guindy, but government fixed the special pay at Rs.75/- per mensem presumably because his work was not so onerous. As Principal which post is on a special scale of pay he has only the first year class to teach apart from the work of organising the college.

X/15 of para 2

for Director of Public Instruction.

RVR 23/12/-

Sd
23/12

44
15/1

E. & P.H. (A)

Memo : No. 71579-A-2, d/- 14.1.47

M.E.S. - Sri A. Viswanath, Principal, College of Engg., Cocanada - Request for remuneration for spl. work
Ref: - From the D.P.I., ROC. No. 501-K2/46, d/ 4.1.47.

The D.P.I. is requested to inform Sri A. Viswanath, w.r.t. his letter of 10.12.46, that his request is under consideration

p.6 ante

p.5 ante

p.g.
12.1.47

d/o
17/1

~~file cannot be further noted on w.r.t. the~~

To the D.P.I.

Note:- The D.P.I.'s reply to p.3 ante - d.p. 7 ante - ~~cannot~~ ~~as~~ G.O. 1500 Edn. d/ 18.6.46 which is necy. is put up in a file which was sent to Fin. on 5.12.46. The return of that file ~~till~~ may be awaited till 20.12.46

p.g.
12.1.47

14/1/47

76
29/1

A

37

50

~~9~~

G.A.IV-Edn.1214.

Office of the Accountant General, Madras,
Fort St.George, Dated 23rd January 1947.

ASST. SECRETARY TO GOVERNMENT
28 JAN 1947
EDUCATION AND PUBLIC HEALTH DEPT.

To

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

Subject: A | Sri A.Viswanath, Principal, College of Engineering, Cocanada - special pay for the eventual shifting of the College to Vizagapatam - date of commencement of payment.

6(9)

Sir,

File sub'd separately with D.I.'s further letter

I have the honour to invite a reference to this office letter No.G.A.IV-Edn.942, dated the 9th November 1946 on the subject cited above and to request to be informed when a reply may be expected in this office.

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

Assistant Accounts Officer.

Memo. No. 71579-A-3, d/ 29.1.47 E. & P.H.(A)

Above

Sub:- M.E. "A" above
Ref: - From the A.G., No. G.A.IV.Edn.1214, d/ 23.1.47

The A.G. is informed that the matter is being considered & that a reply to ~~D.~~ his letter of 9.11.46 will be sent as early as possible.

24/1

p.g.
28-1-47

28/1/47.

29/1/47

d/o To the A.G.
30/1

38

62-63
28/2

3/3

I

E.J. 84(A)

5

Memo. No. 70744-A-3-Edn., d/ 28.2.47

M.E.J. – Sri A. Visvanath, offg. Principal, Engg. College, Cocanada – Request for ~~spl.~~ remuneration for special work.

Ref: – from the D.P.I., No. 501-47/46 d/ – 19.11.46 & 28.12.46
cf. 1 cf. 7

The request of ~~D.P.I.~~ ~~is requested to inform~~ Sri A. Visvanath ~~that his~~ ~~request~~ contained ~~made~~ in his letter of 1.10.46 will not be granted. The D.P.I. is requested to inform him accordingly.

p.1 cf.

To ~~the A.~~ D.P.I.

Dft. 28/2/47

3/3

II

27/2/47

Memo. No. 70744-A-4-Edn., d/ 28.2.47

M.E.J. – Sri A. Visvanath, Offg. Principal, College of Engg., Cocanada – Grant of spl. pay ~~for the~~ ~~connected with eventual shifting of College to~~ ~~Vizagapatam~~ – Date of effect.

Ref: – from ~~the~~ A.G. No. G.A.IV. Edn.942, d/ – 11.11.46.

cf. 2

The A.G. is informed that the

2 52

orders in para 2 of G.O. No. 1500-Edn., dt-1-8-46, granting a spl. pay of Rs. 75 p.m. to Sri A. Viswanath for performing the duties connected with the eventual shifting of the Engg. College, Cocanada, to Vizagapatam, should be given effect to from the 1st July 1946.

X/15

P.S.
21-2-47
26/2/47

27/2/47

To ~~the~~ A.G.
Copy to ~~the~~ D.P.I.
3/3

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

53

p.1 + Bottom CF. p.2 CF.

C.69404. From the D.P.I., No.510-K2/46, dated 19-11-46.
From the A.G., G.A.IV.Edn.942, dated 11-11-46.

M.E.S. - Sri A.Viswanath, Principal, Engg. College, Cocanada - Request for remuneration for special work.

---

d/92

In G.O.1213-Edn., dated 18-6-46, the Govt. constituted an Expert Committee to advise them on the specialised courses of study to be provided in the various engg. colleges in the Presy. and other cognate matters and also apptd. Sri A.Viswanath (then Prof., Engg.College, Guindy - Rs.900) as Secy. to the Committee. Some time before this - G.O.889-Edn., dated 27-4-46 - Sri Viswanath was apptd. as "Organizing Principal" of the Engg. Colleges, Vizagapatam and Anatapur (in addn. to his duties as Prof.) - so that he might prepare in advance the materials reqd. for consideration by the Committee refd. to. No mention~~ed~~ was made in the orders re: any special remuneration to the officer for work as "Organizing Principal" or "Secy. to the Committee". Later, however, in G.O.1500-Edn., dated 1-8-46, he was promoted, with effect from the date on which he took charge, to the post of Principal, Engg. College, Vizagapatam, temporarily located at Cocanada and he was allowed a special pay of Rs 75 for duties connected with the shifting of the college from Cocanada to Vizagapatam.

G1/CF. 181-2

X/15-16 CF

1000-50/2-1200

CF 1

2. The officer now requests that he may be granted an honorarium or allce. at 25% of his pay for having worked as Organizing Principal for opening the two colleges and for work as Secy. to the Expert Committee. The D.P.I. does not recommend the request. Attention is, in this connection, invited to the notes at pp.50 and 52 N.F. of "G"; there, the basis on which the particular qn. of "remuneration" was proceeded with was that it might be taken up only if and when the Dir. moved ~~in the matter~~.

Z

Bottom - CF 1

R

Where officials are appointed as Secretaries to ad hoc committees similar to the Expert Committee mentioned, it is not usual to grant them any addl. remuneration for the secretarial work; the work should be taken as part of their duties. Sri Viswanath being a full-time of

54

cer, he is ordinarily expected to do whatever duties are assigned to him. It may also be stated that ~~xxx~~ the members of the Committee (including the Chairman, who is an official) are not paid any honoraria for giving advice and guidance, except travelling and daily allowances ~~in connection with~~ for attending the meetings of the Committee. There is also the following point: the Vizagapatam College was actually opened at Cocanada only on 15-7-46; Sri Viswanath's promotion as Principal of that college was, however, given effect to from 1-7-46, i.e., 15 days earlier, in consideration of the advance arrangements he had made ~~inxconnexionxwith~~ for the starting of the college. As already stated ~~In the same G.O.~~, he was also granted a special pay of Rs.75 p.m. for performing the duties connected with the eventual shifting of the college from Cocanada to Vizagapatam (date from which he is eligible for this special pay was not however mentioned). It is for orders whether, in view of these factors and of the Dir.'s adverse recommendation, the Principal's request may be turned down.

G.O. 1467 / 26-7-46

cf. M on (X) 13 C.F.

x/15 C.F. "main charge"

vide R on p.10 C.F.

7 (D)

x/13 C.F.

para 2 x/15 C.F.

P

Further the duties re: opening of the Anantapur college could be attended to by the Principal College of Engg., Guindy

x/15 C.F.

3. The A.G., in his letter at p.2 C.F., enquires from which date Sri Viswanath should be given the special pay of Rs.75 for the work refd. to at "P" above. As the sanction for the special pay was accorded simultaneously with the order appointing the officer as Principal, it seems that it should take effect from the date on which he took charge of the Principalship, i.e., 1-7-1946.

N

4. Finance may see before circn.

P.G.
3-12-46

BM
5/12/46

S

'P' at p:1 of [illegible] is, I think, correct; the work was outside his normal sphere of duties. The question of remuneration was left open, as indicated at 'R' at p:1 ante. Ask D.P.I. to indicate his reasons for not recommending the request.

[illegible]

Thro' Mr. E.J.
3/12/46

---

(40)

Secy.'s orders on p.2 [illegible] of Memo. the Director [illegible] is subd.

BM
7/12/46

P.G.
6-12-46

[illegible]
6/12/46

p.3 C.F.

(Memo.No.71579-A-1, dated 8-12-46.)

From Sri A.Viswanath, dated 10-12-46.

p.4 C.F.

Subd. that it seems unnecessary to take notice of C.F.4 - copy ~~sent to the~~ to Secy., by name, of a reminder to Govt. from Sri Viswanath in the matter (the orgl. sent thro' the D.P.I.; the D.P.I. will presumably send an interim reply to Sri Viswanath, in view of C.F.3.

P.G.
14-12-46

16/12/46

BM
18/12/46

p.7 C.F.

From the D.P.I., No.501-K2/46, dated 23-12-1946.

It is seen from the D.P.I.'s reply at C.F.6, that the following factors weighed with him in not recommending Sri Viswanath's request for an honoraria or allowance:

C.F. 1

(1) The Govt. themselves granted Sri Viswanath only a special pay of Rs.75 p.m. for the work of organizing the Engg. College, Vizagapatam - presumably because they considered that the work was not so ~~arduous;~~ onerous;

x/15 C.F.

(2) ~~Though~~ As Principal, which post is on a special scale of pay, Sri Viswanath has only the first year class to teach (in addn. to organizing work).

x (Rs 1000-1225)

(1) above: Attention is invited to the discussions at pp.4-9 N.F. of "X". The Dir.'s original recommendation was that Sri Viswanath might be entrusted with the work of organizing both the Engg. Colleges, ~~at~~ Vizagapatam and Anantapur, and that he might be paid a charge allowance of 1/5th of his substantive pay - i.e., Rs.180. The Govt. ~~xx~~ ordered that the work relating to Vizagapatam College alone might be given to Sri Viswanath and that for that he might be paid a special pay of Rs.75 - since the grant of a charge allowance would not be in order as there was no post called "Organising Principal", apart from the regular "Principal" of the College.

p.7 C.F. 7(Y)

g.p.2 N.F.

pp.5-9 N.F. 7(Y)

x/2 N.F.

(2) above: There is much force in ~~This implies that if the Principal's teaching work increases, the~~ ~~Dir.~~ ~~would recommend the grant to him of a special remuneration for his work as Secy.to the Expert Committee.~~ As

54

the Directors [illegible] payment
~~it is, however, this consideration seems to have bearing on the matter~~.

Subd. for orders ~~[illegible]~~

Fin. have to see, before circn.

28.1.47
28/1/47

31/1/47 S

I agree with the Dept. that the request may be refused. / A

1/2/47

This dept may agree to the view of E & P.H at 'A' above. ~~and~~ The case may be returned to E & P.H after perusal.

This dept may also agree to the view that the special pay (Class II) allowed to ~~the~~ Sri Visvanath for his addl. duties for organising work ~~in view of his addl. duties~~ along with his being the Principal may be from 1.7.46 the date on which Sri Visvanath took charge as Principal.

8.2.47

10.2.47

Mi: E III
E.P.H. U.O. No. 7074-A-2
5.2.47

ASST. SECRETARY TO GOVERNMENT
7063 Edn.
6 FEB 1947
FINANCE DEPARTMENT

Rec. p 2 above [4 line note and 7 other points at (x)]

Fin. U.O. 7063 Edn.
10.2.47

ASST. SECRETARY TO GOVERNMENT
11790
11 FEB 1947
EDUCATION AND PUBLIC HEALTH DEPT.

10/2

11/2

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

The request, ~~extracted~~ refd. to at Z on p. 1 ante, of Sri A. Viswanath, Principal, College of Engg., Cocanada, is mainly considered in this file. The D.P.I. does not recommend it and this Dept. agree with him that it may be negatived. Fin. too agree.

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

13.2.47
13/2/47

14/2/47 S

18/2/47

H.M. (Edn.)

TSA
26.2.47

Two ~~B~~ draft Memo's are subd.

26.2.47
26/2/47

27/2/47

20 FEB 1947

V

19404

(4)

57

All ~~these~~ papers may be "recorded" as ~~G.O.~~ G.O. (Ms.) No. 454 Edn., d/- 10.3.47 ....

8/3

Abstract:-
M.E.J. - ~~Vis~~wanath, Sri A., Offg. Principal, Engg. College, Cocanada - Applns. for appt. elsewhere and other requests - Orders passed - Papers recorded.

7.3.47
7/3/47

BH
8/3/47

A

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION, MADRAS.

R.C. No. 2732-C.1/48, Dated 12th August, 1948.

***

ASST. SECRETARY TO GOVERNMENT,
14 AUG 1948
EDUCATION AND PUBLIC HEALTH DEPT.

Subject:- Madras Educational Service - Sri A. Viswanath, Principal, A.H. College of Technology, Coimbatore, - Application for appointment in the Indian Institute of Science - Bangalore:

Kept below

***

Reference:- Application dated 27th July 1948 from Sri A.Viswanath, Officiating Principal, Arthur Hope College of Technology, Coimbatore, for the post of Head of the Internal Combustion Engine Department of the Indian Institute of Science, Bangalore.

60912

Submitted.

2. With the relief of Dr. J.J. Rudra and Professor K. Sreenivasan from the College of Engineering, Guindy and creation of new posts for the recently started Colleges of Engineering in the Province, dearth of senior and experienced officers is keenly felt. The position in the Mechanical Engineering Department of the Colleges of Engineering is difficult at present, and it will be aggravated if senior Officers like Sri A.Viswanath are permitted to ~~apply for~~ take up employment elsewhere. It is, therefore, recommended that the present application of Mr.A.Viswanath may be withheld by Government.

P.

For DIRECTOR OF PUBLIC INSTRUCTION.

P.T.

2

2.

To

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

NB/11-8.

Edn. ~~J~~ G + (A)

(43)

3/

Memo. No. 60912 A-1, dt. 26.8.48

M.E.S. – Sri A. Viswanath, Principal, A.H. College of Techy., Coimbatore.

93 ~~A~~/24/8 p. 1 ante

Ref:- from the D.P.I., No. 2732-C1/48, dt. 12.8.48.

The D.P.I. is requested to inform Sri A. Viswanath that his

(kept below)

appln. ~~for the~~ addressed ~~to~~ the Regr. of the Indian Institute of Science, Bangalore, for appt. as Head of the Internal Combustion Engine dept. of the Institute, has been withheld.

DM 17/8/48

To the D.P.I. ✓

pg 16.8.48

DPW VL 25/8/48

DM/20 18/8

SECRETARIAT, EDN. AND P.H. DEPT.
23 AUG [illegible]
GOVERNMENT OF MADRAS

Note:- D.P.I.'s letter at p. 1 ante may be perused for orders as ~~to~~ on ~~to~~ H.M. (Edn.)

pg 16.8.48

DM 17/8/48 S/ H.M. (Edn.)

ISA 20.8.48

44

. **VISWANATH**, M. Sc., Eng. (Lond.).
A. C. G. I., D. I. C., M. I. E.

DIRECTOR OF PUBLIC INSTRUCTION
8 - AUG 1948
MADRAS

Coimbatore.
27.7.48.

To,
The Registrar of the Indian Institute of Science,

Bangalore.
Thro' the proper channel,

Sir,

I herewith submit my application for the post of Head of the Internal Combustion Engine Dept. of your institution. Enclosed please find details of my qualifications etc.

yours faithfully,

PERSONAL DETAILS AND RECORD OF SERVICE OF
Prof. A. VISWANATH, M. Sc., D.I.C., (Lond.) M.I.E.

PRESENT POSITION & ADDRESS.	Principal, Arthur Hope College of Technology, Coimbatore.
PLACE AND DATE OF BIRTH.	Palghat, Malabar District, 13th September 1902.
GENERAL EDUCATION.	Intermediate in Arts & Science of Madras University, 1921.
TECHNICAL EDUCATION.	B.E. Degree of the Mysore University in Civil Engineering with distinction, 1926. A. C. G. I. Diploma of the City & Guilds Engineering College, London, in Mechanical Engineering. B.Sc. (Honours) of the London University in Mechanical Engineering, 1929. D. I. C. of the Imperial College of Science and Technology, London, for Post-graduate study in Mechanical Transport including Internal Combustion Engineering. M. Sc. of London University in Engineering by Research-work.
MEMBERSHIP OF LEARNED SOCIETIES.	Member of the Institution of Engineers, India.
MEMBERSHIP OF GOVT. COMMITTEES.	Member of the Internal Combustion Engine Exploratory Committee, and also of the Internal Combustion Engine Advisory Committee of the Govt. of India.
EXPERIENCE.	Over 16 years in Workshops, Drawing and Designing Office, and in Administrative capacity in various Engineering Firms, Iron and Steel works, Government, etc., as below. Draughtsman at Messrs. Richardson and Cruddas, Bombay. Estimator and Draughtsman at Messrs. Braithwaite & Co., Bombay. Apprentice at Messrs. The Patent Shaft & Axletree Co., Wednesbury, and Messrs. The Matropolitan Carriage Waggon and Finance Co., Wednesbury, in various Departments:—Power House, Bridge Yard, Press and Forge Shops, Carriage and Waggon Shop, Machine Shop, etc. Designer and Inspector at Messrs. Rendel Palmer and Tritton, Consulting Engineers to Govt. of India in London. Chief Designer to Messrs. Harrison & Crossfield, Quilon.

THE PATENT SHAFT & AXLETREE COMPANY, LTD., WEDNESBURY.

24th April 1930.

TO WHOM IT MAY CONCERN.

This is to certify that Mr. A.Viswanath of the Imperial College of Science and Technology has been working with us as an Apprentice for Twenty-one Months, since 1928. During this time he was serving in our Power House (Steam and Diesel-Electric) and Bridge-yard; he has shown great ability in his work, and behaved well while with us.

For the Company,

......
COMMERCIAL MANAGER.

/TRUE COPY/

BRAITHWAITE & CO. ENGINEERS Ltd., BOMBAY.

27th August, 1927.

TO WHOM IT MAY CONCERN.

Mr. A.Viswanath has been working here in the Estimating Department from November 1926 till September 1927. He is a keen worker and a ready learner.

He leaves to continue his technical studies in London.

......
CHIEF ESTIMATER.

/TRUE COPY/

RENDEL, PALMER & TRITTON,
Consulting Engineers
to the Government
of India.

55, Broadway,
Westminster,
London, S.W.1.

12th December, 1931.

TO RAILWAY ENGINEERS IN INDIA.

This is to state that the bearer of this letter Mr. A.Viswanath, M.Sc. has been in our office some time on design. He was specially recommended to us by Professor Dalby, under whom he studied for his degree. During his vacation, he was at the Patent Shaft & Axletree Co's Bridge Works, from whom we had a good reference.

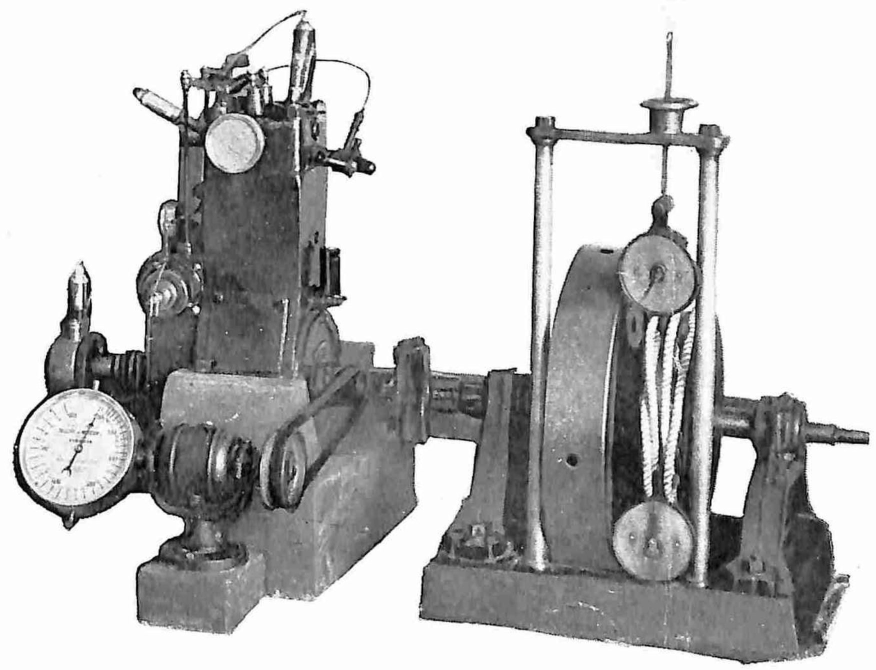
He is clever in his work and conducted himself well while with us. One of his chief studies when at College was the balancing of locomotives and their effect on bridges. We understand that he is studying the Economics of Engineering.

RENDELL, PALMER & TRITTON.

....

/TRUE COPY/

FIRST HIGH SPEED DIESEL OF ORIGINAL INDIAN DESIGN



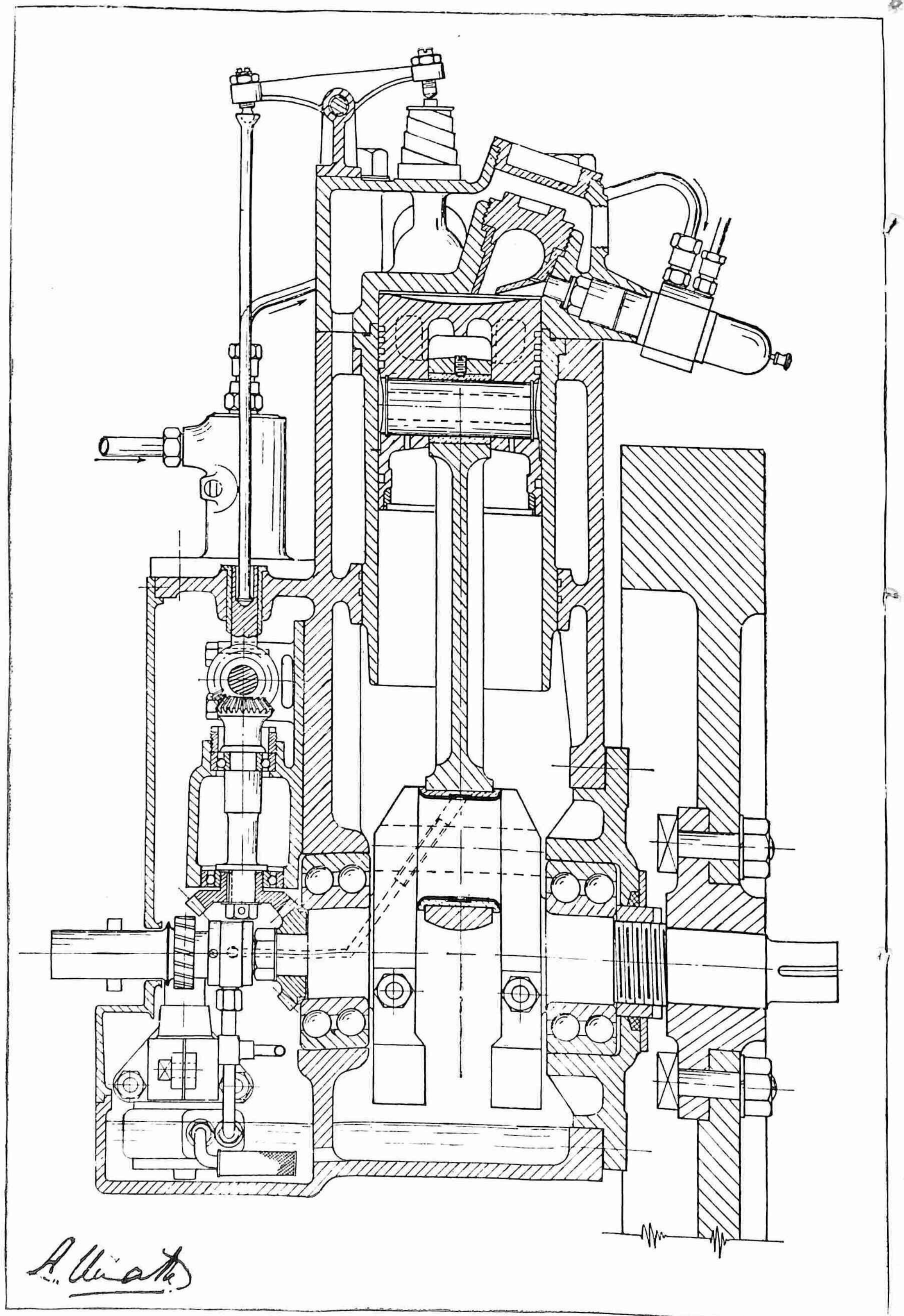
EXHIBITED AT THE THIRD ENGINEERING EXHIBITION

COLLEGE OF ENGINEERING, GUINDY

Opened by:

LORD. ERSKINE GOVERNOR OF MADRAS

On 2nd Dec. 1938



CROSS SECTION OF ENGINE

Foreword

Civilization is deeply committed to the use of the Internal Combustion Engine for transport and power purposes on land, sea and air, in peace or in war. The nations that are now the foremost powers in the world are exclusively the foremost producers of automobile and other Internal Combustion power plants.

Since about 1928 a small high speed version of the Diesel Engine capable of supplying power at 45 to 60% of the petrol cost has appeared and has been rapidly displacing the petrol driven internal Combustion Engine from all its fields of applications. Diesel powered automobile Trucks and passenger cars are now operating almost throughout India. Improvements already made in the Diesels promise to change all automotive Engines to take to Diesel Power. American manufacturers of stock automotive Engines, like General Motors, Waukesha, Cummins, Hercules, Buda etc. have already invested millions of dollars in production facilities of the small Diesels. The Detroit factory of General Motors have even commenced to produce Diesel Engines for automobiles including small cars.

An automobile Industry is bound to be established in India sooner or later and when that comes the automobile Engines that India produces shall not be one that has long been discarded by manufacturers elsewhere; but it should keep pace and even be ahead of latest developments. Research work is the only means of achieving this and the contents of this booklet is the outcome of my humble efforts in that direction for the past 6 years.

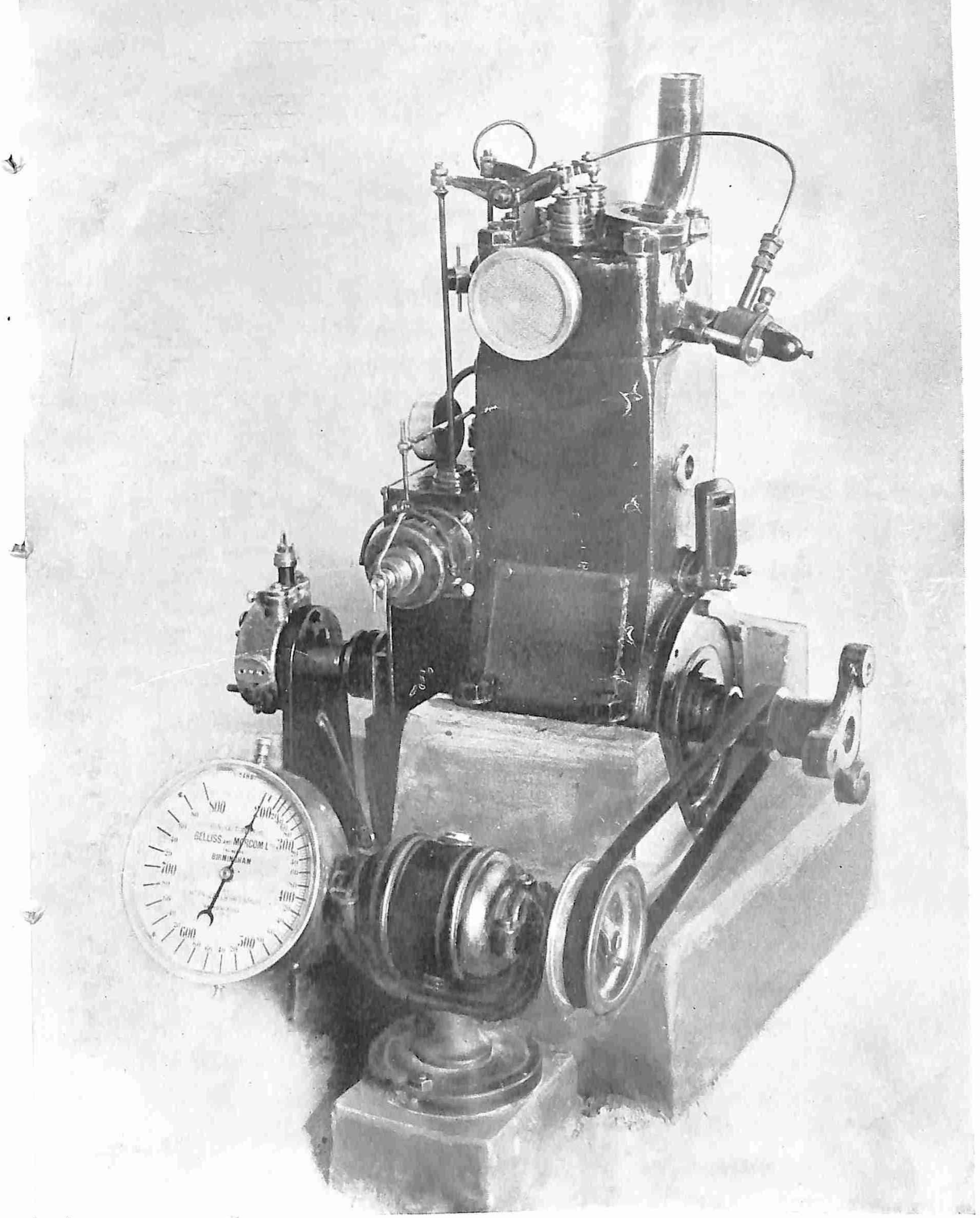
A. Viswanath, M. Sc., Eng. (Lond). A. C. G. I., D. I. C.
Prof. of Mechanical Engineering, College of Engineering,
Guindy, Madras

Single Cylinder Research Engine

Built at the College of Engineering, Guindy

In developing any new design of an automobile or aviation motor, it is the recognised practice to commence with a single cylinder experimental engine incorporating all the proposed new features and on this to carry on investigations of the various aspects, such as, fuel consumption, performance on load, maximum output, fuel characteristics, combustion, fuel injection, newer construction of parts, newer materials of construction etc. All advanced countries have established research institutions specially equipped for such work.

This procedure of employing a single cylinder instead of a multicylinder engine is simpler and at the same time gives a clear survey of the effects of the various design features on the performance of the engine. Rectification or even remaking the engine (if necessitated by faulty constructions revealed during investigations will be cheaper. The results of the investigation and the knowledge gained from the single cylinder engine built as a first step can be directed straight away to plan a perfect production type multicylinder engine. The engine described in the following pages is an experimental engine on the above basis.



THE SUCTION SIDE VIEW OF THE ENGINE

Description

This engine has been made in the college of Engineering, Guindy, with the close co-operation of the College Laboratories and workshop. All castings and components employed are Indian made excepting the Piston, Cylinder Liner, Fuel Pump and Ball Bearings.

The general design and proportions are in accordance with the best automotive Diesel practice, the cylinder block and crank case being cast in one piece, with inserted wet type liner and detachable cylinder head. The castings were made in the College Foundry and are of special alloy cast iron containing about $1\frac{1}{2}$% Nickel and $\frac{1}{2}$% Chromium, which approximate to the American Society of Automobile Engineers specification for automobile castings.

The engine has a cylinder bore of 100 mm. ($3\frac{15}{16}$") and stroke 130 mm. (5-1/8") and is capable of developing 10·5 H. P. at 1500 R. P. M. The compression ratio adopted is 16:1 and this can be altered as required.

The crank shaft is of liberal proportions and made hollow to reduce weight. It is forged from Tata Steel M-5-34 class II. I. R. S. Specification, and balanced by counter weights on the crank webs. For the main bearings Ransome and Marles ball bearings are adopted. The connecting rod is machined from Poldi Auto Steel of 51 tons per sqr. inch tensile strength, its big end being fitted with Hoyt white metal lined bronze bearings for the crank pin.

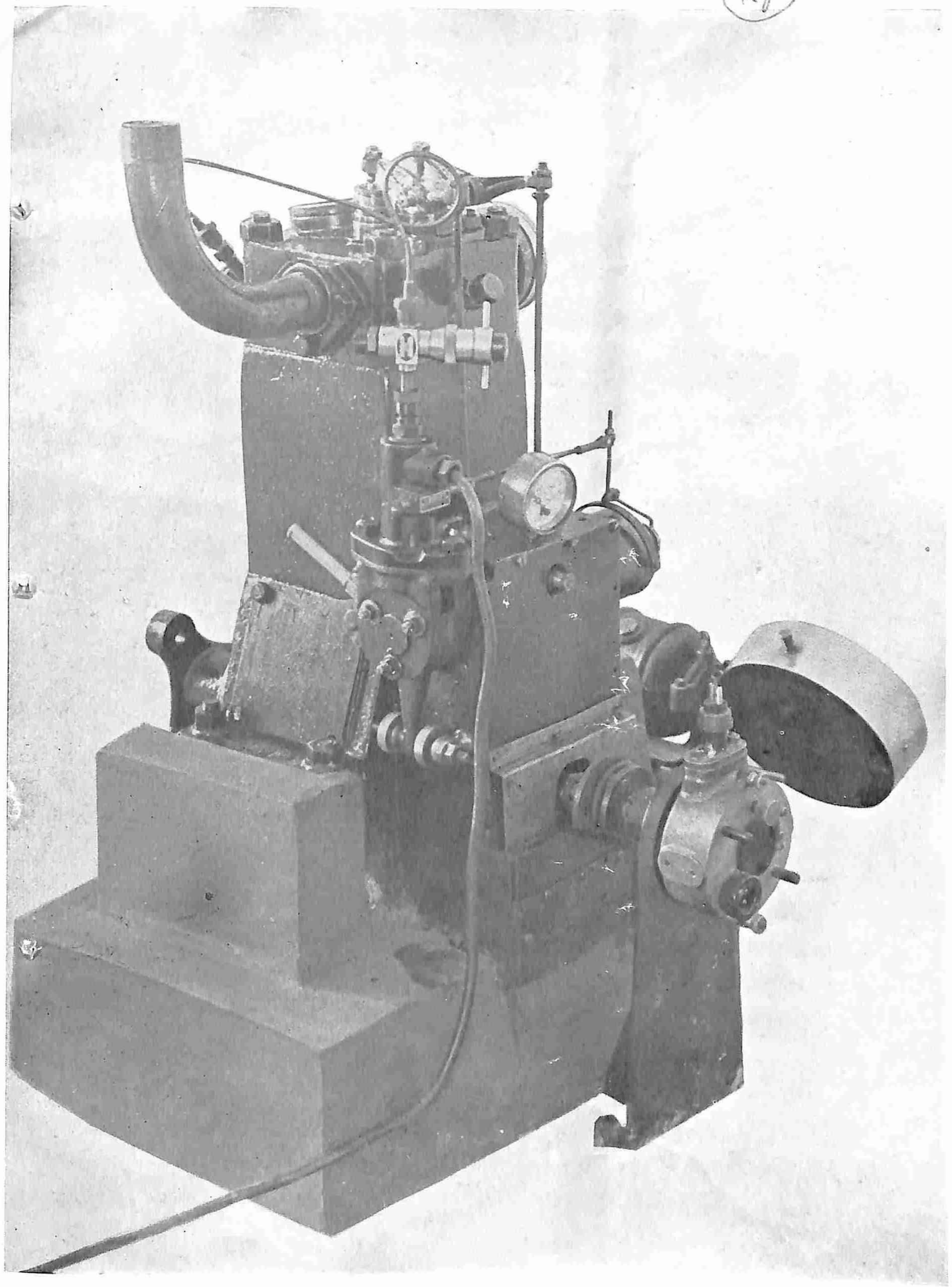
The piston is of aluminium alloy supplied by Specialloid Ltd., London and has four pressure rings and one scraper ring. The cylinder liner is of centrifugally cast alloy cast iron, the inner surface being mirror finished and hardened approximately to Brinnell Hardness No. 500.

The cylinder head is of close grained alloy cast iron and accomodates the two overhead valves, the fuel injector and a special duel injection combustion chamber which ensures early ignition and progressive combustion of the fuel, giving smooth running of the engine over a wide range of speed.

The Cam shaft and driving gears are completely enclosed and run partly on ball bearings. A sensitive governor is fitted to one end of the Cam shaft and an arrangement to vary its spring compression is incorporated in it whereby the engine can be run at any speed from the lowest to the highest value without stopping it.

A Bosch fuel pump is mounted on a swivel saddle at the other end of the cam shaft and it can be tilted up to 7½ degrees on either side of its vertical position and thus fuel injection advanced or retarded up to 15 degrees on the crank shaft without stopping the engine. A hand liver is also provided for priming the fuel pump.

Provision is also made to fit a Bosch injection pressure adjuster which can be set to any desired fuel injection pressure. An oil pump for pressure lubrication of the crank pin and other bearings is driven off the



VIEW SHOWING THE FUEL PUMP MOUNTING

crank shaft end and a release valve and pressure gauge are provided for regulation of the oil circulation.

The overhead inlet and exhaust valves are operated by push rods, levers and tappets, all of standard automobile type.

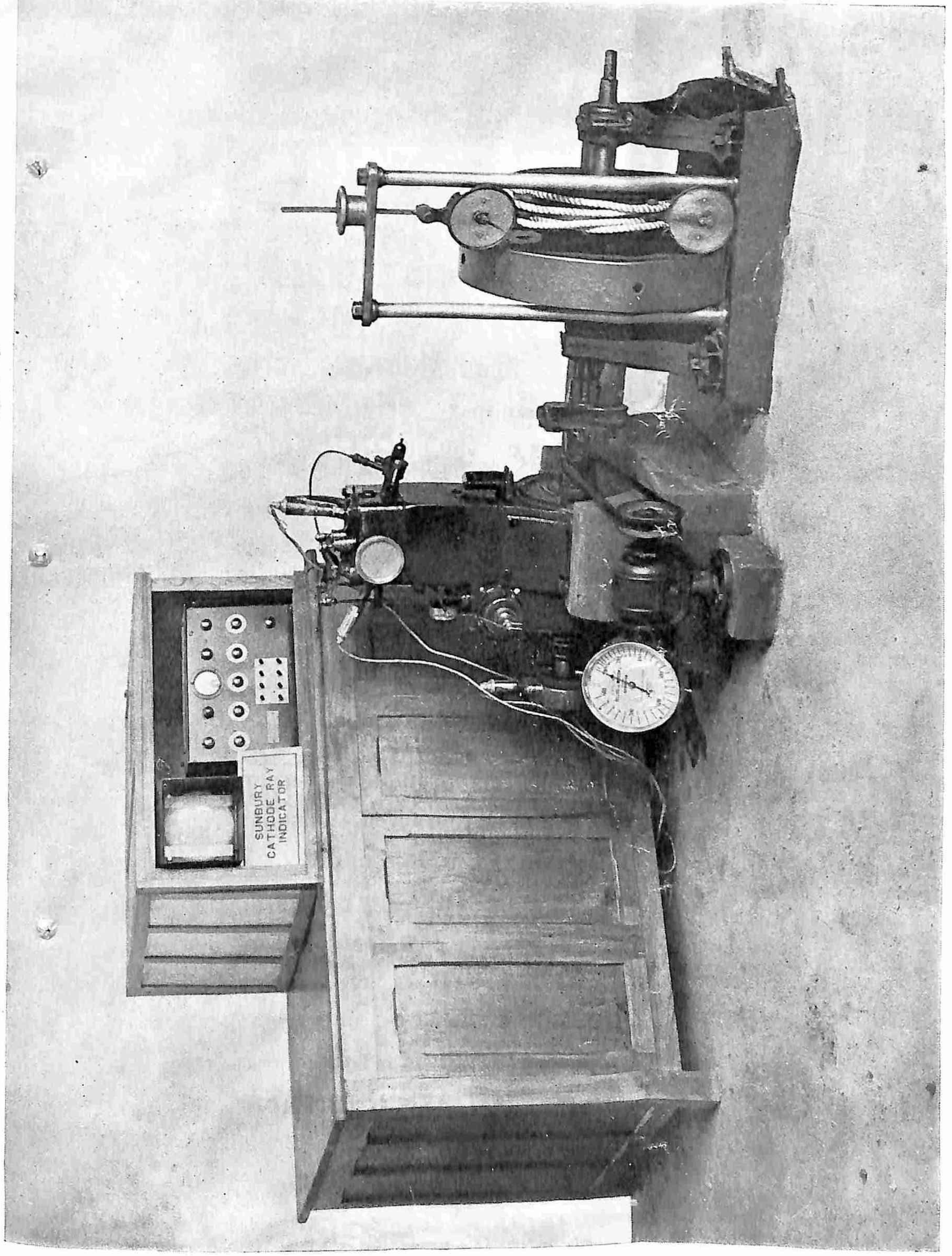
The fly wheel is mounted along with a water cooled brake pully on a separate frame and shaft which is connected to engine crank shaft by a flexible coupling. The fly wheel can also be fitted direct to the crank shaft when necessary.

For investigating the pressures, combustion characteristics, injection timing, etc., a Standard-Sunbury Cathode Ray Indicator is attached to the engine. This is the latest type of apparatus available for the instantanious observation of the rapid pressure changes during each cycle of operations in the Engine—The apparatus can be used even at the highest engine speeds for showing the time taken between the beginning of fuel injection and the commencement of ignition.

Performance

The engine develops 10·5 H.P. at 1500 R.P.M. and gives an average fuel consumption 0·436 pints per B.H.P. hour (200 gms.) which compares very well with the best single cylinder engines on the market.

The special features of the engine are the smooth running and high combustion efficiency attained as a result of the special construction of the combustion chamber which incorporates all the advantages of the three basic systems of "Direct Injection of Fuel", the "Precombustion chamber "and the "Acro Air Cell", with none of the disadvantages associated with these when individually applied. An air cell promotes a turbulence which is proportional to the engine speed and thus gived very efficient combustion over a wide range of speed; A duel combustion in and outside the air cell gives easy starting and high torque even at low speeds; and above all, combustion is not spontaneous, but progressive, and complete over a wide range of speed giving a high mean effective pressure without high explosion pressures This last feature makes the engine very smooth running.



ENGINE ON TEST-BED CONNECTED TO BRAKE AND INDICATOR

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