

Government of Madras.

EDUCATIONAL DEPARTMENT.



Recd.

Regd.

} 1916.

Enclosures

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29

G.O. No. 487, 5th May 1916

Mr. H. W. Barker

Informing the Director of Public Instruction that the Secretary of State will be moved to sanction the appointment of — to the Indian Educational Service as Professor of Civil Engineering in the College of Engineering, Madras, and the payment to him of an initial salary of Rs. 700.

EDUCATIONAL DEPARTMENT.

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Informing the Director of Public Instruction that the Secretary of State will be moved to sanction the appointment of — to the Indian Educational Service as Professor of Civil Engineering in the College of Engineering, Madras, and the payment to him of an initial salary of Rs. 700.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers :—

I

Letter—from H. W. BARKER, Esq., A.M.INST.C.E., P.A.S.I., etc., Anti-Malaria Engineer, Corporation of Madras.

To—the Secretary to Government, Educational Department (through the Special Engineer and the President, Corporation of Madras).

Dated—Madras, the 1st March 1916.

I have the honour to apply for the vacant appointment of Professor of Civil Engineering at the Engineering College, Madras.

In support of my application, I beg to submit that I am a fully qualified Civil Engineer with experience in both English and Indian Practice.

The list of examinations that I have passed (vide enclosed particulars) will answer for the soundness of my theoretical training and my fifteen and a half years' experience in various branches of actual construction are guarantee of my knowledge of practice and of the practical requirements of a Civil Engineer.

I have more particularly specialised in Sanitary Engineering and I venture to say that knowledge of this branch of Civil Engineering is more requisite than any other in Southern India at the present time.

I have had some experience in teaching adult students, having lectured on Advanced Building Construction in England and I have been successful in training Indian surveyors and draftsmen in work previously quite unfamiliar to them.

In support of my application, I have attached particulars of my qualifications, training and experience, together with copies of the following testimonials :—

(1) From J. W. Madeley, Esq., M.A., M.INST.C.E., M.A.M.SOC.C.E., etc., Special Engineer for Main Drainage and Water works, Corporation of Madras.

(2) From H. E. Stilgoe, Esq., M.INST.C.E., City Engineer of Birmingham.

(3) From H. Richardson, Esq., A.M.I.C.E., formerly Engineer and Surveyor to the Urban District Council of Handsworth.

(4) From the Right Hon'ble the Lord Mayor of Birmingham.

(5) Official testimonial under the Seal of the Urban District Council of Handsworth.

(6) Official testimonial from the Cemetery Committee of the Handsworth Council.

I request that I may be appointed at a commencing salary of Rs. 700 per mensem that being my present pay.

If I am honoured with the appointment, there shall be no lack of effort on my part to give satisfaction to the Board and Principal of the Engineering College.

ENCLOSURE.

COLLEGE OF ENGINEERING, MADRAS.

APPOINTMENT OF PROFESSOR OF CIVIL ENGINEERING.

Particulars in support of the application of H. W. Barker.

Name—Howard William Barker.

Address—Landon's Gardens, Kilpauk, Madras.

Age—34; Born March 6th, 1881, at Handsworth, Staffordshire.

Present appointment—Anti-Malaria Engineer, Corporation of Madras.

Present salary—Rs. 700 per mensem.

Qualifications, each obtained by Examination.

Associate Member of the Institution of Civil Engineers.

Associate Member of the Institution of Municipal and County Engineers.

Professional Associate of the Surveyors' Institution.

Associate of the Institute of Sanitary Engineers.

The examinations for the above include—

Applied Mechanics, Theory of Structures, Materials of Engineering, Hydraulics, Geodesy (Surveying), Sanitary Science, Building Construction, Quantity Surveying, Roadmaking, Tramway and Bridge Construction, Water-Supply, Sewage Disposal, etc.

Holds certificates of—

City and Guild of London—Quantity Surveying.

Board of Education—Advanced Building Construction, etc.

Training—

Educated at Handsworth Grammar School and King Edward VI School, Aston Manor. Upon leaving school had two years' commercial training in the office of Messrs. Deakin & Francis, well-known Birmingham Manufacturers.

Served three years articles to Mr. H. Richardson, A.M.I.C.E., Engineer and Surveyor to the Urban District Council of Handsworth.

(Handsworth has a population of 70,000.)

Has studied Civil Engineering and Town-planning at Birmingham University.

Has lectured in Advanced Building Construction at the Handsworth Technical School.

Was awarded the premium of the Institution of Municipal and County Engineers for a paper on "Sub-soil Drainage and Cemetery Construction", read before that Institution in 1911.

Appointments held—

Upon completing articles, was appointed (1902) by the Handsworth Council as Assistant Building Inspector, and acted as Chief Inspector for some months.

Next appointed as Surveyor's Assistant, and took charge of a Main Drainage Extension scheme.

Was subsequently (1907) promoted to Chief Engineering Assistant, being responsible for the maintenance of main and district roads, bridges, etc.

In October 1911, appointed Engineering Assistant in Sewerage and Rivers Department of the City of Birmingham.

In March 1913, joined duty as Assistant Special Engineer, Madras, and was engaged on the Main Drainage Scheme until March 31st, 1915.

April 1st, was appointed as Anti-Malaria Engineer to the Madras Corporation.

Experience—

Has had fifteen and a half years' practical Engineering experience.

At Handsworth—

For five years (1906—1911) acted as Engineer-in-charge of the principal works carried out by the Council.

Sanitary works—

Set out and supervised the construction of the following works :—

	£
Main Sewers	15,000
Sewage Pumping Station with reinforced concrete tanks	11,500
Flood prevention works	14,000

Cemetery—

Designed a scheme of sub-soil drainage for, and also the laying out of a large cemetery. Had control of the work that was done by direct labour, engaged foremen and workmen, bought the requisite plant and materials for the sub-soil drainage,—roadmaking and landscape gardening. The remainder of the work was carried out by contract under his supervision.

Total expenditure £40,000, Direct labour work £15,000.

Upon completion of the work was presented with an official testimonial and an honorarium.

General works.—

Had excellent opportunities of acquiring a thorough knowledge of the construction and maintenance of roads, buildings and sanitary works.

Was engaged upon the designs and construction of—

	£
Making streets under Public Health Acts	20,000
Public Street Improvements	17,000
Tramway tracks	22,000
Refuse destructor works, workshops, etc.,	20,000
Public baths with well and bore hole 500 feet deep	19,000
Highway depot	2,000
Sewage disposal works (septic tanks and Bacteria beds)	16,500
Re-construction of earthwork dam and retaining walls for storage reservoir	6,000
Road maintenance, annual expenditure	6,000

Water works—

Had experience in the construction of water distribution mains and laying of services.

At Birmingham—

Set out and supervised part of the work of the Bromford sewerage contract—£11,000.

With the help of two junior assistants, made a closed traverse survey of 336 acres, including over a mile and a quarter of the River Cole and was engaged upon the Hall Green (£19,000) and May Hills (£9,000) sewerage schemes, and was engaged on the Hall Green portion of Birmingham's Town-Planning Scheme.

At Madras.—As Assistant Special Engineer—

Has had charge of a considerable staff of surveyors and draftsmen and has designed, following the lines laid down by the Special Engineer, the drainage scheme for the Purasawalkam area of Madras, at an estimated cost of 26½ lakhs of rupees (£157,000).

The more difficult portions of this work, including well sinking, are now in hand by departmental work and contract and were under his supervision until August 1915.

As Anti-Malaria Engineer—

Has designed a system of storm water drains for North Triplicane, complete with all necessary details and estimates.

Is now engaged on a scheme to drain the swamps and tanks in Purasawalkam, and has carried out a portion of the work.

Forwarded.

J. W. MADELEY,

Special Engineer, Corporation of Madras.

1st March 1916.

Forwarded and recommended.

Mr. Madeley has spoken fully of Mr. Barker's professional qualifications and abilities. I can only add my appreciation of the thoroughness and energy with which he has worked while in the service of the Corporation.

J. C. MOLONY,

President, Corporation of Madras.

4th March 1916.

II

Letter—from the Hon'ble Mr. J. H. STONE, M.A., F.R.H.S., C.I.E., Director of Public Instruction.

To—the Secretary to Government, Educational Department.

Dated—Madras, the 21st March 1916.

No.—Ref. on Cur. 2358.

With reference to the correspondence ending with G.O. No. 544, Educational, dated 20th May 1915, regarding the recruitment of a suitable person for the chair of Professor of Civil Engineering, College of Engineering, I have the honour to submit herewith, in the prescribed form, an application from Mr. H. W. Barker, Anti-Malaria Engineer, Corporation of Madras, together with the enclosed copy of a letter, dated 7th instant, from Mr. James, Principal, College of Engineering, and to state that in the circumstances represented by the latter, I beg to recommend Mr. Barker's application for the favourable consideration of Government. He may be appointed to the Indian Educational Service on probation for a period of two years and started on a salary of Rs. 700 per mensem.

ENCLOSURE.

Letter—from the Principal, College of Engineering, Madras.

To—the Director of Public Instruction, Madras.

Dated—the 7th March 1916.

I enclose herewith a copy of an application made to Government by Mr. H. W. Barker for the vacant appointment of Professor of Civil Engineering. It must be a long time before we can get a man from Home and it is eminently desirable in the interests of the college that a permanent incumbent should be appointed and judging from what I can gather in regard to Mr. Barker I think he is quite a possible person for trial in the usual way on probation. He has had a good deal of practical experience and that in this country on Sanitary Engineering work should prove of much value here, particularly as our instructional work may necessarily have to develop considerably in that direction. The Public Works Department have a lien on his services when his agreement with the Corporation terminates but I understand from the Chief Engineer that no difficulty will be raised on that ground.

Order—No. 487, Educational, dated 5th May 1916.

The Secretary of State for India will be moved to sanction the appointment of Mr. H. W. Barker to the Indian Educational Service as Professor of Civil Engineering in the College of Engineering, Madras, and the payment to him of an initial salary of Rs. 700 in the scale of Rs. 500—50—1,000, subject to the condition that he should not draw his first increment of Rs. 50 until the time arrives when he would have reached the grade of Rs. 750 in the usual course if he had started on Rs. 500 per mensem.

(True Extract.)

P. RAJAGOPALA ACHARIYAR,
Secretary to Government.

To the Director of Public Instruction.

OOTACAMUND.

EDUCATIONAL (1916) DEPARTMENT.

(Copy.)

Letter to the Right Honourable the Secretary of
State for India.

No. 2, dated 17th May 1916.

RECOMMENDING to the Secretary of State for India the employment of Mr. H. W. Barker
in the Indian Educational Service as Professor of Civil Engineering in the
College of Engineering, Madras.

EDUCATIONAL DEPARTMENT.

To

THE RIGHT HONOURABLE THE SECRETARY OF STATE FOR INDIA.

SIR,

We have the honour to invite reference to the correspondence ending with our telegram, dated the 16th August 1915, regarding recruitment for the post of Professor of Civil Engineering in the College of Engineering, Madras. We then informed you that temporary arrangements had been made to fill the appointment pending the recruitment of a Professor from home. These arrangements however have not proved satisfactory and it is essential in the interests of the college that a permanent appointment should be made as soon as possible. A suitable opportunity has now arisen of which we desire to take advantage. Mr. H. W. Barker, a copy of whose application and testimonials is appended, has been employed during the last three years by the Madras Corporation as Assistant Engineer and Engineer on Special Works. His agreement with the Corporation has now expired and he is free to accept employment under the Madras Government. The Principal of the College of Engineering and the Director of Public Instruction consider that Mr. Barker is well qualified for the appointment and we concur in that opinion. Mr. Barker who is now 35 years of age, asks for an initial salary of Rs. 700 per mensem in the scale of Rs. 500—50—1,000 sanctioned for the Indian Educational Service. His pay under the Corporation was Rs. 700, and in view of his qualifications and of his Indian experience, which should enhance his usefulness, we consider the request reasonable and request sanction to the payment of salary at that rate. Mr. Barker will not, however, be permitted to draw the first increment of Rs. 50 until the time arrives when he would have reached Rs. 750 in the usual course if he had commenced on a salary of Rs. 500 per mensem. We recommend Mr. Barker's employment in the Indian Educational Service as Professor of Civil Engineering on the conditions above mentioned and on the usual probation for two years. As Mr. Barker presses for early orders and a suitable professor is urgently required for the college, we have the honour to request that your orders may be cabled to us.

We have the honour to be,

Sir,

Your most obedient, humble servants,

PENTLAND.

P. S. SIVASWAMI AYYAR.

HAROLD STUART.

A. G. CARDEW.

OOTACAMUND,
17th May 1916.

[Appendix.

APPENDIX.

EDUCATIONAL APPOINTMENTS IN INDIA.

1. Name (in full)	Howard William Barker.
2. Address	Landon's Gardens, Kilpauk, Madras.
3. Age last birthday, with date and place of birth.	35, March 6, 1881, Handsworth, Staffordshire.
4. Married or single (<i>number and ages of children, if any</i>).	Single.
5. Health (past and present)	Very good.
6. Father's name, nationality and occupation (<i>state whether living or dead</i>).	Thomas Barker. English. Chemist. Dead.
7. Post and approximate salary desired ...	Professor of Civil Engineering at Engineering College, Madras; commencing salary desired Rs. 700 per mensem.
8. Duration of visits or residence abroad ...	Short visits to Switzerland, Belgium and France. 'Three years' residence in Madras.
9. Names of districts abroad of which the applicant has special knowledge.	Madras.
10. Particulars and dates of any important appointments, e.g., Headmasterships or Principalships, Administrative Posts, University Professorships, Lecturerships, or the like, for which the applicant has stood or is standing.	Please see particulars of appointments held, as stated on attached sheet.
11. Athletics—(a) experience in organizing games; (b) Proficiency in athletics.	(a) Was Secretary of the Handsworth Rugby Union Football Club for ten years. (b) Was Captain of the Handsworth Rugby Union Football Club for four years. In Madras, has organized games for the men of the Madras Volunteer Guards.
12. Date of application	Original application dated 1st March 1916. This application dated 17th March 1916.

	Scholarships, certificates, degrees and other honours.	Dates of joining and leaving.	Name of Principal.	Names of schools or colleges.		Name of school (or place) where employed.	Name of Principal (or employer).	Dates of joining and leaving.	Position and character of work done, also salary received.
13. School education	Obtained foundation scholarship.	1889—1893.	Rev. J. Guest, M.A. ...	(1) Handsworth Grammar School.	{	Handsworth School.	W. E. Harrison, Esq., B.Sc. Please see attached sheet.		Lectured in Elementary and Advanced building construction in the session 1910-11. Remuneration 10 s. per lecture.
14. University education, if any ...		1893—1897	E. W. Floyd, Esq., M.A. ...	(2) King Edward VI School, Aston Manor.					
15. Professional training as a teacher, if any. (If a holder of the Board of Education's parchment certificate, the date of the examination and the class in which the applicant was placed in each of the examinations must be shown.)		Attended courses of evening lectures at intervals between 1902 and 1911.	Sir Oliver Lodge	Birmingham University ...					
16. Teaching employment						Handsworth School.			
17. Other employment (<i>all employment to be entered in order of time</i>).									

Employer.	Name of Chief Engineer.	Date of joining and leaving.	Position and salary.
Urban District Council of Handsworth.	H. Richardson, Esq., A.M.INST.C.E., Engineer and Surveyor to the Council.	1900—1903 November 1903 to October 1911.	Serving articles. (1) Assistant Building Inspector £96; (2) Assistant Surveyor £120; (3) Engineering Assistant £150.
Corporation of Birmingham.	H. E. Stilgoe, Esq., M.INST.C.E., City Engineer.	November 1911 to February 1913.	Engineering Assistant £150 plus certain allowances.
Corporation of Madras	J. W. Madeley, Esq., M.A., M.INST.C.E., Special Engineer.	March 1913 to March 1915. April 1915 to March 1916.	As Assistant Engineer for main drainage works Rs. 520 plus Rs. 30 allowance per mensem. As Anti-Malaria Drainage Engineer Rs. 700 per mensem. Whilst holding the above appointments, applicant has had experience in the design, construction and maintenance of roads, buildings, tramways, refuse destructor works, water works, sewerage and sewage disposal works.

17. Employment

18. References—

- (1) Name,
Address,
Occupation or position.
- (2) Name,
Address,
Occupation or position.

(These should be persons resident in the United Kingdom, who have known the applicant intimately, and are in a position to answer any enquiries that may be made of them. They should not be relations and should be holders of responsible positions who are acquainted with the applicant's character and work in recent years. The names of officers of the Board of Education should not be given.)

19. Copies of testimonials from—

Original testimonials may be required, should the applicant be selected for interview. Copies of testimonials should be submitted in duplicate.

20. Observations (Subjects the applicant is prepared to teach and any special qualifications or experience (e.g., in music, and singing, commercial subjects, languages, literary work, organization or inspection) not mentioned under heads 13—17 above should be given here)—

1. Sir William H. Bowater,
Arthur Road, Edgbaston, Birmingham.
For five years Lord Mayor of Birmingham.
 2. H. E. Stilgoe, Esq., M.INST.C.E., Council House, Birmingham, City Engineer.
- I am also permitted to refer enquirers to—
- (1) H. Richardson, Esq., A.M.INST.C.E., Council House, Birmingham, Deputy City Engineer.
 - (2) W. S. Lane, Esq., A.C.A., 33, Waterloo Street, Birmingham, Chartered Accountant.
 - (3) W. A. Brockington, Esq., M.A., Leicester, Director of Education for Leicestershire.

Please see attached copies of testimonials.

I am prepared to lecture in the Civil Engineering subjects laid down in the syllabus of the College of Engineering, Madras.

I base my application on the fact that I am a fully qualified Civil Engineer with a sound theoretical training and have had fifteen and a half years' practical experience of design and construction in various branches of Civil Engineering in England and in Madras.

I hold the following qualifications, each of which I have obtained by examination:—

- (1) Associate Member of the Institution of Civil Engineers.
- (2) Associate Member of the Institution of Municipal and County Engineers.
- (3) Professional Associate of the Surveyors' Institution.
- (4) Associate of the Institute of Sanitary Engineers.

The examinations for the above include—
Applied Mechanics, Theory of Structures, Materials of Engineering, Hydraulics, Geodesy (surveying), Sanitary Science, Building Construction, Quantity Surveying, Road Making, Tramway and Bridge Construction, Water-supply, Sewerage, Sewage Disposal, etc.

In 1911, I was awarded the annual premium of the Institution of Municipal and County Engineers for a paper on "Sub-soil Drainage and Cemetery Construction."

H. W. BARKER.

March 17, 1916.

Copies of Testimonials.

CORPORATION OF MADRAS,
SPECIAL WORKS DEPARTMENT,
Madras, 1st March 1916.

I have pleasure in stating that Mr. H. W. Barker has been employed by the Corporation of Madras under me for three years, for the first two years as Assistant Engineer on the Madras Main Drainage and for the third year as Anti-Malaria Engineer.

He has carried out all the work entrusted to him in a most thorough and painstaking manner and to my entire satisfaction.

Mr. Barker is a fully qualified Civil Engineer. He has a good theoretical and practical knowledge of the principles and details of hydraulic engineering and their application in practice, including water-supply, drainage and sanitary work of all descriptions.

His practical experience should be of great value in the post of Professor of Civil Engineering at the Madras Engineering College, particularly as he is now conversant with the methods employed in this Presidency. He is very thorough in all he undertakes and this makes him a lucid teacher.

J. W. MADELEY,
Special Engineer.

CITY ENGINEER AND SURVEYOR'S OFFICE,
THE COUNCIL HOUSE, BIRMINGHAM,
11th February 1913.

I have pleasure in bearing testimony to the ability and character of my Assistant, Mr. H. W. Barker, A.M.I.N.S.T.C.E. He has had a thorough training as a Civil Engineer and has gained a wide experience in the designing and carrying out of those works which come within the scope of a Municipal Engineer's duties.

In addition to holding the qualifications of the Institution of Civil Engineers, Institution of Municipal and County Engineers, Surveyors' Institution, etc., he is a good surveyor, well used to the setting out and management of work, whether carried out by contract or departmentally, and is painstaking, tactful and trustworthy. He left the service of this Corporation to take up a more lucrative appointment abroad, and in leaving has the good wishes of myself and the staff with whom he has been associated.

HENRY F. STILGOE,
City Engineer and Surveyor.

URBAN DISTRICT COUNCIL OF HANDSWORTH,
COUNCIL HOUSE, HANDSWORTH, BIRMINGHAM,

November 1st, 1911.

I have great pleasure in stating that I have been intimately acquainted with Mr. H. W. Barker for many years. I have the very highest opinion of his abilities, which are exceptional, and of his personal character.

Mr. Barker served his articles to me and since that time has been employed here, first as Assistant Building Inspector, afterwards as an Engineering Assistant and he is now my Chief Engineering Assistant.

He has had charge of the construction of the most important works carried out in Handsworth by my department to the complete satisfaction of the Council and myself. He is a first class surveyor, an expert and accurate leveller and is an excellent Engineer.

Mr. Barker has designed, prepared plans and estimates for and superintended the carrying out of extensive sewerage works, a pumping station, public and private street improvements, buildings and other engineering works, under my instructions. He has a thorough knowledge of road-making.

I consider him painstaking, industrious, courteous and trustworthy. If you appoint him he would, I know, leave nothing undone to ensure the performance of his duties to your entire satisfaction.

H. RICHARDSON, A.M.I.N.S.T.C.E., MEM.R.S.A.N.I.N.S.T. Etc.
Engineer and Surveyor to the Council.

CITY OF BIRMINGHAM, LORD MAYOR'S PARLOUR, THE COUNCIL HOUSE,
October 1912.

I have pleasure in testifying to the high personal character and professional ability of Mr. H. W. Barker who is now engaged as Engineering Assistant in the City Surveyor's department under the Birmingham City Council.

Before coming into the service of the Corporation, Mr. Barker was employed as an Engineer by the Handsworth Urban District Council and when that district was merged in the city we received such a good report of him from the Council, that we took him into our service and the way he has since discharged his duties has fully justified that good report.

W. H. BOWATER,
Lord Mayor.

Copy of official testimonial from the Urban District of Handsworth, in the County of Stafford.

We the Urban District Council of Handsworth in the County of Stafford have pleasure in testifying to the ability of Mr. Howard William Barker, A.M.I.C.E., etc., who has for eight years been in our service and who now holds the office of Engineering Assistant in the Surveyor's Department.

Mr. Barker acted as Resident Engineer in connection with the laying out of the Handsworth Cemetery.

Mr. Barker has always performed his duties to our entire satisfaction and has at all times proved himself to be a capable and trustworthy officer.

Given under our common seal this twentieth day of September one thousand nine hundred and eleven.

Seal of Council.

T. HENRY BERRY,
Chairman of the Council.

ERNEST WARD,
Clerk of the Council.

URBAN DISTRICT COUNCIL OF HANDSWORTH.

COUNCIL HOUSE, HANDSWORTH, STAFFS,
28th February 1911.

Clerk:
Ernest Ward,
Solicitor.

Dear Sir,

By the direction of the Cemetery Committee I send you below copy of a resolution passed at the last meeting, viz.:-

"Resolved that this Committee record on its Minutes its appreciation of the able manner in which Mr. H. W. Barker, A.M.I.C.E., has carried out his duties in connection with the designing and (as Resident Engineer) supervising the laying out of the cemetery by direct labour and that the Chairman be requested to write to Mr. Barker."

In 1905 the Council purchased the Leveretts Estate containing an area of 70 acres for cemetery purposes and of this area 35 acres have been laid out as a cemetery and 5 acres temporarily for allotment purposes. Owing to the waterlogged condition of the sub-soil a complete sub-soil drainage scheme had to be carried out. This work has been carried out in a very efficient manner and the ground for a considerable depth is absolutely free from water.

The original contour survey of the site was prepared by you, acting as Engineering Assistant to the Council's Surveyor, and the sub-soil drainage scheme and the plans for the laying out of the cemetery as well as two alternative schemes were also prepared by you. The engagement of workmen, the ordering of plant and materials, and the setting out of the work, was left in your hands.

In addition to the foregoing the plans, specification, quantities, etc., for the Foreman's Cottage and Service buildings, were prepared by you, and the work was done under your supervision.

You also attended all the meetings of the committee and reported on the progress and the cost of the works.

The amount expended by the Council in the laying out of the cemetery was £15,000 (exclusive of the cost of the chapel).

Yours faithfully,

E. F. FREELAND,
Chairman of the Committee.

H. W. Barker, Esq., A.M.I.C.E., Engineer and
Surveyor's Department, Council House,
Handsworth.

Endorsement made by the President of the Madras Corporation on the original application made by Mr. H. W. Barker for the appointment of Professor of Civil Engineering, Madras.

Forwarded and recommended.

Mr. Madeley has spoken fully of Mr. Barker's professional qualifications and abilities. I can only add my appreciation of the thoroughness and energy with which he has worked while in the service of the Corporation.

4th March 1916.

J. C. MOLONY,
President, Corporation of Madras.

NOTES CONNECTED WITH G.O. No. 487, EDUCATIONAL, DATED
5TH MAY 1916.

[SUBJECT.—*Application of Mr. H. W. Barker for employment as Professor of Civil Engineering in the College of Engineering.*]

Previous papers :

G.O. 765, Educational, 18th December 1901.	G.O. 544, Educational, 20th May 1915.
" 1905, M., 30th November 1910.	" 641 " 14th June "
" 882, Educational, 23rd September 1913.	" R. 198 " 25th " "
" 1599 M., 22nd August 1914.	" 770 " 14th July "
" 2416 W., 10th December "	" 912 " 18th August "
" 332, Educational, 23rd March 1915.	" 1052 " 24th September "

Demi-official—from H. W. BARKER, Esq., Anti-Malarial Engineer, Corporation of Madras.

To—the Hon'ble Diwan Bahadur P. RAJAGOPALA ACHARIYAR Avargal, C.I.E., Secretary to Government, Educational Department.

Dated—the 3rd March 1916.

I beg to submit herewith for your consideration a formal application for the position of Professor of Civil Engineering at the Engineering College, Madras.

For your information I may say that my agreement with the Corporation expires on 31st March 1916, but that I have an undertaking from the Chief Engineer, given on the authority of Sir Harold Stuart rather more than a year ago, to employ me in the Public Works Department from 1st July 1916.

With the curtailment of the programme of his department, the Chief Engineer now is willing for me to take up a different appointment.

In support of my application I desire to point out that I am conversant with the methods of construction in this Presidency, knowledge which an Engineer fresh from England would lack.

I shall be very much obliged if you will give me an interview on the subject at an early date.

Demi-official—from H. W. BARKER, Esq., Anti-Malarial Engineer, Corporation of Madras.

To—the Hon'ble Diwan Bahadur P. RAJAGOPALA ACHARIYAR Avargal, C.I.E., Secretary to Government, Educational Department.

Dated—the 4th March 1916.

Further to the interview you kindly gave this afternoon, I write to say that I neglected to mention that I should esteem it a favour if you would give me as early a reply as possible to my application for the post of Professor of Civil Engineering at the Engineering College.

You will realize that it is a matter of much importance to me, when I say that my agreement with the Corporation expires on 31st March and my return, or otherwise, to England early next month depends upon your decision as to my present application.

The post of Professor of Civil Engineering in the College of Engineering, Madras, which is included in the cadre of the Indian Educational Service (Rs. 500—50—1,000) has been vacant since the resignation of Mr. Griffith in April last—G.O. No. 332, Educational, dated the 23rd March 1915. M.R.Ry. P. V. Manikkam Nayakar, an Executive Engineer in the Public Works Department, is now acting as Professor—G.O. R. No. 198, Educational, dated the 25th June 1915.

2. Mr. Manikkam Nayakar himself applied for permanent appointment to the post; but it was decided that he should be retained temporarily until a suitable person could be recruited from England—please see page 2 of notes with G.O. No. 544, Educational, dated the 20th May 1915. In despatch No. 1, dated the 8th June 1915, the Secretary of State was requested to select a suitable person for the post. In his telegram, dated the 7th July 1915, he stated that it was quite impossible to find any competent man at present and enquired whether the post could not be filled by the deputation of a Public Works officer—page 4 of G.O. No. 912, Educational, dated the 18th August 1915. The Madras Government replied that pending recruitment temporary arrangements had been made—G.O. No. 912, Educational, dated the 18th August 1915.

3. It seems very unlikely that the Secretary of State will be able to recruit for the post an officer from England in the near future. It is therefore submitted that the application of Mr. Barker may now be considered. The remarks of the Director of Public Instruction and the Chief Engineer, Public Works Department, may, it is submitted, be invited in the first instance on the fitness of Mr. Barker for the post of Professor of Civil Engineering.

S.A.—8-3-16.

V.S.—8-3-16.

We had better have the advice of the Chief Engineer first.

P. RAJAGOPALA ACHARIYAR—9-3-16.

To the Public Works Department.

PUBLIC WORKS DEPARTMENT.

Submitted.

P.S.K.—10-3-16.

T.S.R.—10-3-16.

W. G. MOLESWORTH—10-3-16.

In my opinion Mr. Barker is eminently suited for the post for which he applies and I have no objections to his being appointed.

S. B. MURRAY—11-3-16.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

The remarks of the Director of Public Instruction may now be invited.

V.S.—13-3-16.

P.R.—14-3-16.

To the Director of Public Instruction.

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION.

I was on the point of recommending Mr. Barker's appointment to the Indian Educational Service on probation for two years on the strength of strong support on his application by Mr. James. I have seen Mr. Barker and my impression of him was very favourable. His record of work and testimonials are also very good.

If he is to be appointed the question of starting pay arises. He asks for Rs. 700—his present pay. He is 34 years old. Mr. Matthews recently appointed Professor of Electrical Engineering is 39 years old and is to receive Rs. 750. If Mr. Barker is to receive Rs. 700 it is a question whether he should not wait for an increment till he would have reached Rs. 750 if he had been appointed on Rs. 500

i.e., for five years. This would put him more on an equality with Mr. Matthews. He might, of course, not be willing to accept these terms, or if he did might be dissatisfied with them later.

J. H. STONE—15-3-16.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

The first question for consideration is whether Mr. Barker should be recommended to the Secretary of State for appointment as Professor of Civil Engineering. Both the Chief Engineer and the Director of Public Instruction strongly support his application.

2. Mr. Barker apparently desires that his appointment should take effect from the 1st April next, the date on which his agreement with the Corporation of Madras expires. The Local Government may perhaps appoint him temporarily for six months in exercise of the powers referred to in G.O. No. 882, Educational, dated the 23rd September 1913, while the Secretary of State is being addressed for sanction to his permanent appointment. The salary that could be sanctioned to Mr. Barker by the Local Government during the temporary period cannot, however, exceed Rs. 500, the minimum pay of an Indian Educational Service officer; but Mr. Barker requests that he may be started on Rs. 700, his present salary under the Corporation. The sanction of the Secretary of State will be necessary for giving this higher rate even temporarily.

3. Mr. Barker's request that he may be appointed on a starting salary of Rs. 700, that being his present pay, does not appear to be admissible. The Director presumes that this pay will be given to him. Mr. Barker appears to have entered service under the Corporation with effect from the 1st April 1913 as special assistant engineer for drainage works on Rs. 500—20—700 and to have been subsequently, with effect from March 1915, employed as temporary anti-malaria engineer on Rs. 700. It seems that the post of anti-malaria engineer will not be^{*} in existence beyond the current official year and that

Mr. Barker's term also expires by the end of this year. Even if Mr. Barker is to be retained by the Corporation after the 31st March 1916, he will have in the usual course to revert from the post of anti-malaria engineer to the post of special assistant engineer and in the latter appointment he will probably draw only Rs. 560. It is submitted that as the post of anti-malaria engineer is a *special* temporary appointment for a *short* period, the salary drawn by Mr. Barker in that post need not necessarily be adopted when a permanent post under the Government is offered to him. It would seem proper to take into consideration only his pay as special assistant engineer although even this post is not a permanent one. In view of the above facts it is for consideration whether it would not be sufficient to start Mr. Barker on a salary of Rs. 500 only.

The Local and Municipal Department will have to be consulted as Mr. Barker is now a Corporation servant.

S.A.—20-3-16.

V.S.—20-3-16.

P. RAJAGOPALA ACHARIYAR—20-3-16.

To the Local and Municipal Department.

LOCAL AND MUNICIPAL DEPARTMENT.

There is no definite information in the office as to when Mr. Barker was appointed as assistant engineer for drainage construction or as to for what period his current engagement runs. Mr. Barker himself states that he joined duty in March 1913 and a salary of Rs. 560 is allowed for him in the budget for 1916-17. The rate is just what he would be entitled to if he had joined appointment in March 1913, as the annual increment in the salary of the post (Rs. 500—20—700) is Rs. 20.

As remarked in the Educational Department note, no provision has been made in the Corporation's budget for 1916-17 for the anti malaria engineer. Apparently it is expected that no such engineer will be employed in 1916-17.

2. As to the question whether the Corporation should be consulted before Mr. Barker is taken over to Government service, attention is invited to pages 2-6 of the Proceedings of the Corporation meeting, dated 17th May 1915. The Corporation declined to give any opinion when the President consulted them as to whether the services of one of their servants (Mr. Cartledge) could be spared for employment as Inspector of Factories under Government. The power of appointment of municipal servants rests in the President (section 58 of the Madras City Municipal Act) and Mr. Molony has forwarded Mr. Barker's application with his recommendation. It may be taken that he is willing to allow him to take up the Government appointment.

Submitted that under these circumstances there is no necessity for consulting the Corporation. With this remark the file may be returned to Educational.

B.A.—21-3-16.

N. CHENGAL RAO—21-3-16.

C. G. TODHUNTER—22-3-16.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

From the Director of Public Instruction, No. 2358, dated 21st March 1916.

Mr. Barker's application since received through the Director of Public Instruction has been added to the file. It is observed from the application that Mr. Barker was drawing as special assistant drainage engineer only Rs. 520 plus an allowance of Rs. 30 per mensem.

2. Orders are now solicited on the office-note on page 3 *supra*.

S.A.—23-3-16.

V.S.—23-3-16.

In view to the favourable opinion of Mr. Barker expressed by the Chief Engineer (Mr. Murray) as well as by the Principal (Mr. James) and the Director of Public Instruction, I would recommend his appointment to the Indian Educational Service. In regard to his pay I think that we must insist on his starting at the bottom of the scale of Rs. 500 to Rs. 1,000 like other recruits and rising according to that scale. It is true that Mr. Barker is now drawing Rs. 700 as anti-malaria engineer under the Corporation; but this is a purely temporary appointment and ends on the 31st instant; and Mr. Barker's term of covenant with the Corporation also then ends. Before he took up the anti-malarial work in April 1915 Mr. Barker was only an assistant engineer on Rs. 520 in the temporary staff of the Corporation drainage works. I see no particular hardship in Mr. Barker being asked to start in the permanent staff of the Educational Department on Rs. 500. The recruitment locally of officers to the Indian Educational Service is of course to be deprecated, but the situation just now is exceptional; we cannot get suitable men from England; and it may not be to the advantage of the college to continue the stop-gap arrangement in regard to the Professorship of Engineering for any lengthy period—till the India Office sends us a man. If Mr. Barker is taken, I assume that it will have to be on probation for two years, as is usual in the case of all recruits to the Indian Educational Service. Before we address the Secretary of State to sanction Mr. Barker's appointment to the Indian Educational Service, we have to make ourselves certain that he will accept a start on Rs. 500 and also probation for two years. The Director of Public Instruction has to be asked about it.

P. RAJAGOPALA ACHARIYAR—27-3-16.

P[ENTLAND]—28-3-16.

Will the Director of Public Instruction please ascertain and report?

P.R.—30-3-16.

To the Director of Public Instruction.

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION.

Curiously enough Mr. Barker asks for just what I suggested, viz., that he should start on Rs. 700 but get increments as though he had started on Rs. 500. I do not think that this is unreasonable. He is ten years more than the usual age for entering Government service and he has had Indian experience which should be of very great use to the college.

He is unwilling to consider an appointment on Rs. 500 as anything but a temporary arrangement which he claims liberty to terminate as soon as he can get anything better. There is no point in Government's entering into any such temporary arrangement with him, but in view of the difficulty of getting any one from Home and the uncertainty as to the man the Secretary of State might send there is much to be said for taking steps for Mr. Barker's permanent appointment to the service.

Mr. Manikkam Nayakar who is at present acting has applied for the permanent post, but Mr. James declines to recommend the application and Mr. S. B. Murray is emphatically of opinion that he is not fit for the post.

J. H. STONE—7-4-16.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

Submitted for orders as to whether the condition at A above should be accepted.

S.A.—8-4-16.

C.R.—8-4-16.

I am for accepting the condition at A above. Will Financial please offer advice?

P. RAJAGOPALA ACHARIYAR—9-4-16.

To the Financial Department.

FINANCIAL DEPARTMENT.

Under article 156, Civil Service Regulations, Mr. Barker should begin on Rs. 500. The Educational Department propose to obtain his services permanently by yielding to his terms, viz., to start him on Rs. 700 and to give him the next increment five years hence. If he starts on Rs. 500 now he will begin to draw Rs. 750 after five years. In the special circumstances of the case, Financial may agree to the terms proposed and the Secretary of State being asked to sanction Mr. Barker starting on Rs. 700 in the Indian Educational Service.

T.H.R.—10-4-16.

L. E. KERSHAW—11-4-16.

A. BUTTERWORTH—11-4-16.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

For orders whether the Government may agree to start Mr. Barker on a salary of Rs. 700 per mensem. This higher salary cannot, however, be sanctioned by the Local Government even temporarily without the sanction of the Secretary of State. It is therefore for consideration whether sanction of the Secretary of State may be applied for for his permanent appointment on a starting salary of Rs. 700. This may be done by cable. The college is now closed for the vacation and there seems to be no special urgency in anticipating the sanction and making the appointment immediately in advance. Perhaps the Director of Public Instruction may be told that the sanction is being applied for and this will give Mr. Barker somewhat of an assurance.

2. Mr. Manikka Nayakar, the acting Professor, has submitted an application for confirmation in the post. It is contained in the linked file. The Principal of the College (Mr. James) states that he does not support the application and the Director

agrees with him. In his un-official note of the 7th instant, Mr. Stone has already stated that Mr. Murray is emphatically of opinion that Mr. Manikka Nayakar is not fit for the post. For orders whether Mr. Nayakar may be informed that his request cannot be complied with. This may be done when orders appointing Mr. Barker are issued.

S.A.—14-4-16.

C.R.—17-4-16.

Please see note at page 4 and subsequent notes. Mr. Barker may be taken into the Indian Educational Service on a starting salary of Rs. 700, the first increment of Rs. 50 accruing only after five years. A despatch may go to the India Office and the latter may be asked to cable sanction. The Director of Public Instruction may be told of the action taken and Mr. Barker may be taken on the staff with effect from the re-opening of the college. The acting Professor Mr. Manikka Nayakar has been condemned as unfit.

P. RAJAGOPALA ACHARIYAR—18-4-16.

P[ENTLAND]—23-4-16.

A draft order and letter to the Secretary of State are submitted for approval.

S.A.—26-4-16.

C.R.—27-4-16.

P.R.—28-4-16.

In accordance with His Excellency's orders, a copy of the draft letters in which a few amendments have been incorporated is attached.

(By order.)

T. E. MOIR—29-4-16.

Draft despatch to the Secretary of State for India is circulated for approval to—

The Hon'ble Mr. A. G. Cardew, C.S.I.

The Hon'ble Sir H. A. Stuart, K.C.V.O., K.C.S.I.

The Hon'ble Sir P. S. Sivaswami Ayyar, K.C.S.I., C.I.E.

P.R.—1-5-16.

A. G. C[ARDEW]—2-5-16.

H. A. S[TUART]—3-5-16.

P. S. S[IVASWAMI AYYAR]—4-5-16.

Issue sharp.

P.R.—5-5-16.

[G.O. No. 487, Educational, dated 5th May 1916.]

A clean copy of despatch is placed below. It may be submitted to His Excellency the Governor and Honourable Members for favour of signature.

S.A.—11-5-16.

C.R.—12-5-16.

P.R.—13-5-16.

P[ENTLAND]—15-5-16.

P. S. S[IVASWAMI AYYAR]—15-5-16.

H. A. S[TUART]—15-5-16.

A. G. C[ARDEW]—15-5-16.

Issue.

P.R.—17-5-16.

[Despatch No. 2, Educational, dated 17th May 1916.]

FROM

J. W. MADELEY, ESQ., M.A., M. INST. C.E., M. AM. SOC. C.E., ETC.,

Special Engineer, Corporation of Madras.

TO

SIR,

Enclosure

I have pleasure in stating that Mr. H. W. Barker has been employed by the Corporation of Madras under me for three years, for the first two years as Assistant Engineer on the Madras Main Drainage and for the third year as Anti-Malaria Engineer.

He has carried out all the work entrusted to him in a most thorough and painstaking manner and to my entire satisfaction.

Mr. Barker is a fully qualified Civil Engineer. He has a good theoretical and practical knowledge of the principles and details of Hydraulic Engineering and their application in practice, including Water Supply, Drainage and Sanitary work of all descriptions.

His practical experience should be of great value in the post of Professor of Civil Engineering at the Madras Engineering College, particularly as he is now conversant with the methods employed in this Presidency. He is very thorough in all he undertakes and this makes him a lucid teacher.

Sd/- J. W. Madeley,

Special Engineer.

COPY.

City Engineer & Surveyor's Office, 14

The Council House,

Birmingham.

Henry E. Stilgoe, M.Inst.C.E.,

City Engineer & Surveyor.

February 11th, 1913.

Gentlemen,

I have pleasure in bearing testimony to the ability and character of my Assistant, Mr. H.W. Barker, Assoc.M.Inst.C.E., He has had a thorough training as a Civil Engineer and has gained a wide experience in the designing and carrying out of those works which come within the scope of a Municipal Engineer's duties.

In addition to holding the qualifications of the Institution of Civil Engineers, Institution of Municipal and County Engineers, Surveyor's Institution &c. he is a good Surveyor, well used to the setting out and management of work, whether carried out by contract or departmentally, and is painstaking, tactful and trustworthy. He left the service of this Corporation to take up a more lucrative appointment abroad, and in leaving has the good wishes of myself and the staff with whom he has been associated.

I am, Gentlemen,

Yours faithfully,

(Signed). HENRY E. STILGOE.

City Engineer & Surveyor.

URBAN DISTRICT COUNCIL OF HANDSWORTH.

COUNCIL HOUSE,

HANDSWORTH,

Birmingham.

H. Richardson, A.M. Inst. C.E.,
Surveyor.

C O P Y.

November 1st, 1911.

I have great pleasure in stating that I have been intimately acquainted with Mr. H.W. Barker for many years. I have the very highest opinion of his abilities, which are exceptional, and of his personal character.

Mr. Barker served his articles to me and since that time has been employed here, first as Assistant Building Inspector, afterwards as an Engineering Assistant and he is now my Chief Engineering Assistant.

He has had charge of the construction of the most important works carried out in Handsworth by my Department to the complete satisfaction of the Council and myself. He is a first class surveyor, an expert and accurate leveller and is an excellent engineer.

Mr. Barker has designed, prepared plans and estimates for and superintended the carrying out of extensive sewerage works, a pumping station, public and private street improvements, buildings and other engineering works, under my instructions. He has a thorough knowledge of road making.

I consider him painstaking, industrious, courteous and trustworthy. If you appoint him he would, I know, leave nothing undone to ensure the performance of his duties to your entire satisfaction.

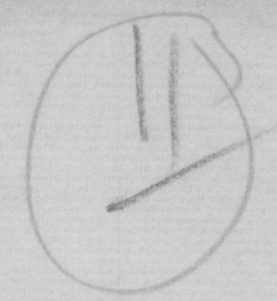
Yours faithfully,

(Signed) H. RICHARDSON.

Assoc. M. Inst. C.E.,

Mem. R. San. Inst., Etc.,

Engineer & Surveyor to the Council



16

COPY.

CITY OF BIRMINGHAM,
 LORD MAYOR'S PARLOUR,
 THE COUNCIL HOUSE,
 October 1912.

I have pleasure in testifying to the high personal character and professional ability of Mr. H.W. Barker who is now engaged as Engineering Assistant in the City Surveyor's Department, under the Birmingham City Council.

Before coming into the service of the Corporation Mr. Barker was employed as an Engineer by the Handsworth Urban District Council and when that District was merged in the City we received such a good report of him from the Council, that we took him into our service and the way he has since discharged his duties has fully justified that good report.

I am,

Yours faithfully,

(Signed) W.H. BOWATER.

Lord Mayor.

I have great pleasure in stating that I have been instructed to sign this report on the part of the Council. I have the very highest opinion of his abilities, which are exceptional, and of his personal character. Mr. Barker served his articles to me and since that time has been employed here, first as Assistant Building Inspector afterwards as an Engineering Assistant and he is now my Chief Engineer. Assistant. He has had charge of the construction of the most important works carried out in Handsworth by my Department to the complete satisfaction of the Council and myself. He is a first class surveyor, an expert and accurate draughtsman and is an excellent engineer. Mr. Barker has designed, prepared plans and estimates for and supervised the carrying out of extensive works for a building station, public and private streets, improvements, buildings and other engineering works, under my instructions. He has a thorough knowledge of road making. I consider his satisfactory, industrious, courteous and friendly. If you appoint him he would, I know, leave nothing undone to secure the performance of his duties to the entire satisfaction.

Yours faithfully,
 (Signed) H. RICHARDSON.
 Assistant Surveyor to the Council.

URBAN DISTRICT COUNCIL
 H. RICHARDSON, A.M.I.C.E., F.R.I.B.
 Surveyor.
 HANDSWORTH,
 BIRMINGHAM.
 November 1st, 1912.
 C O P Y.

Copy of Official Testimonial from the

URBAN DISTRICT OF HANDSWORTH

in the County of Stafford.

We the Urban DISTRICT COUNCIL of HANDSWORTH in the County of Stafford have pleasure in testifying to the ability of Mr. HOWARD WILLIAM BARKER A.M.I.C.E., &c who has for eight years been in our service and who now holds the office of Engineering Assistant in the Surveyor's Department.

Mr. Barker acted as Resident Engineer in connection with the laying out of the Handsworth Cemetery.

Mr. Barker has always performed his duties to our entire satisfaction and has at all times proved himself to be a capable and trustworthy officer.

GIVEN under our Common Seal this twentieth day of September One thousand nine hundred and eleven.

Seal of
Council.

(Signed) T. HENRY BERRY,
Chairman of the Council.

(Signed) ERNEST WARD,
Clerk of the Council.

Copy.

URBAN DISTRICT COUNCIL OF HANDSWORTH.

Council House,

HANDSWORTH, Staffs.

28th. February 1911.

Clerk:-
ERNEST WARD,
Solicitor.

Dear Sir:-

By the direction of the Cemetery Committee I send you below copy of a resolution passed at the last Meeting, viz:-

"Resolved that this Committee record on its Minutes its
"appreciation of the able manner in which Mr. H.W. Barker
"A.M.I.C.E., has carried out his duties in connection with
"the designing and (as Resident Engineer) supervising the
"laying out of the Cemetery by direct labour and that the
"Chairman be requested to write to Mr. Barker."

In 1905 the Council purchased the Leveretts Estate containing an area of 70 acres for Cemetery purposes and of this area 35 acres have been laid out as a Cemetery and 5 acres temporarily for Allotment purposes. Owing to the waterlogged condition of the subsoil a complete subsoil Drainage Scheme had to be carried out. This work has been carried out in a very efficient manner and the ground for a considerable depth is absolutely free from water.

The original contour survey of the site was prepared by you, acting as Engineering Assistant to the Council's Surveyor, and the subsoil drainage Scheme and the plans for the laying out of the Cemetery as well as two alternative Schemes were also prepared by you. The engagement of workmen, the ordering of plant and materials, and the setting out of the work, was left in your hands.

In addition to the foregoing the plans, specification, quantities &c., for the Foreman's Cottage and Service buildings, were prepared by you, and the work was done under your supervision.

You also attended all the Meetings of the Committee and reported on the progress and the cost of the works.

The amount expended by the Council in the laying out of the Cemetery was £15,000 (exclusive of the cost of the Chapel).

Yours faithfully,

(Signed) EDWD. F. FREELAND,

Chairman of the Committee.

H.W. BARKER ESQ., A.M.I.C.E.,
Engineer & Surveyor's Department,
Council House, HANDSWORTH.



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18

19

Copies of Testimonials
(Duplicate Set)

S. W. D. No. 33-A.

Tele. Address :
"Special, Madras."
TELEPHONE No. 93.

S. E. No.
A. B. C. CODE,
5TH EDITION, 1901.

CORPORATION OF MADRAS,

Special Works Department,

Madras, 1st March 1916.

FROM

J. W. MADELEY, Esq., M.A., M. INST. C.E., M. AM. SOC. C.E., ETC.,

Special Engineer, Corporation of Madras.

TO

SIR,

Enclosure

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He has carried out all the work entrusted to him in a most thorough and painstaking manner and to my entire satisfaction.

Mr. Barker is a fully qualified Civil Engineer. He has a good theoretical and practical knowledge of the principles and details of Hydraulic Engineering and their application in practice, including Water Supply, Drainage and Sanitary work of all descriptions.

His practical experience should be of great value in the post of Professor of Civil Engineering at the Madras Engineering College, particularly as he is now conversant with the methods employed in this Presidency. He is very thorough in all he undertakes and this makes him a lucid teacher.

Sd/- J. W. MADELEY

Special Engineer.

82/20
21
Copy of endorsement made by J. C. MOLONY, Esq., I.C.S.,
President of the Madras Corporation on the original
application made by Mr. H.W. BARKER for the
Appointment of Professor of Civil Engineering,
M a d r a s.

Forwarded and recommended,

Mr. Madelev has spoken fully of Mr. Barker's
professional qualifications and abilities. I can only add
my appreciation of the thoroughness and energy with which he
has worked while in the service of the Corporation.

Sd/- J. C. MOLONY, 4/3/16
President,
Corporation of Madras.

COPY.

City Engineer & Surveyor's Office,
The Council House,

Henry E. Stilgoe, M.Inst.C.E.,

Birmingham.

City Engineer & Surveyor,

February 11th, 1913.

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I am, Gentlemen,

Yours faithfully,

(Signed), HENRY E. STILGOE.

City Engineer & Surveyor.

COUNCIL HOUSE,

HANDSWORTH,

Birmingham.

H. Richardson, A.M.Inst.C.E.,

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C O P Y.

November 1st, 1911.

I have great pleasure in stating that I have been intimately acquainted with Mr. H.W. Barker for many years. I have the very highest opinion of his abilities, which are exceptional, and of his personal character.

Mr. Barker served his articles to me and since that time has been employed here, first as Assistant Building Inspector, afterwards as an Engineering Assistant and he is now my Chief Engineering Assistant.

He has had charge of the construction of the most important works carried out in Handsworth by my Department to the complete satisfaction of the Council and myself. He is a first class surveyor, an expert and accurate leveller and is an excellent engineer.

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(Signed) H. RICHARDSON.

Assoc. M. Inst. C.E.,

Mem. R. San. Inst., Etc.,

Engineer & Surveyor to the Council.

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24

COPY,

CITY OF BIRMINGHAM,
LORD MAYOR'S PARLOUR,
THE COUNCIL HOUSE,
October 1912.

I have pleasure in testifying to the high personal character and professional ability of Mr. H.W. Barker who is now engaged as Engineering Assistant in the City Surveyor's Department, under the Birmingham City Council.

Before coming into the service of the Corporation Mr. Barker was employed as an Engineer by the Handsworth Urban District Council and when that District was merged in the City we received such a good report of him from the Council, that we took him into our service and the way he has since discharged his duties has fully justified that good report.

I am,
Yours faithfully,
(Signed) W.H. BOWATER,
Lord Mayor.

URBAN DISTRICT COUNCIL OF HANDSWORTH,
COUNCIL HOUSE,
HANDSWORTH,
BIRMINGHAM,
November 1st, 1912.
COPY.
I have the pleasure to state that I have been
informed by Mr. H.W. Barker that he has been
I have the very highest opinion of his abilities, which are
exceptional, and of his personal character,
Mr. Barker served his apprenticeship to me and since that time
has been employed by me as an Assistant in my department.
I have been an Engineering Assistant and he is now my Chief
Engineering Assistant.
He has had charge of the construction of the new
works erected on the Handsworth by my department and the
complete satisfaction of the Council and myself. He is a first
class surveyor, an expert and accurate drafter and is an
excellent engineer.
Mr. Barker has been employed by me as an Assistant in my
department and he has been very successful in his work.
I have a high opinion of his abilities and of his personal
character. I should be pleased to recommend him to any
position. If you require any further information, I shall be
pleased to supply it. I am,
Yours faithfully,
W.H. BOWATER,
Lord Mayor.

COPY.

CITY OF BIRMINGHAM

LORD MAYOR'S PARLOUR

THE COUNCIL HOUSE

October 1911

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who is now engaged as Engineering Assistant in the City
Surveyor's Department, under the Birmingham City Council.
Before coming into the service of the Corporation
Mr. Barker was employed as Engineer by the Handsworth
Urban District Council and when that District was merged
in the City he received with a good report of his work
the Council, that he took him into our service and the
way he has since discharged his duties has fully
justified that good report.

I am,

Yours faithfully,

(Signed) W. H. HOWARD

Lord Mayor

Copy of Official Testimonial from the

URBAN DISTRICT OF HANDSWORTH

in the County of Stafford,

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of Stafford have pleasure in testifying to the
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in the Surveyor's Department.

Mr. Barker acted as Resident Engineer in
connection with the laying out of the Handsworth
Cemetery.

Mr. Barker has always performed his duties
to our entire satisfaction and has at all times
proved himself to be a capable and trustworthy
officer.

GIVEN under our Common Seal this twentieth
day of September One thousand nine hundred and
eleven.

Seal of
Council.

(Signed) T. HENRY BERRY,
Chairman of the Council,

(Signed) ERNEST WARD,
Clerk of the Council.

Copy-

URBAN DISTRICT COUNCIL OF HANDSWORTH.

Council House,

HANDSWORTH, Staffs.

28th. February 1911.

Clerk:-
ERNEST WARD,
Solicitor.

Dear Sir:-

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"Resolved that this Committee record on its Minutes its
"appreciation of the able manner in which Mr. H.W. Barker
"A.M.I.C.E., has carried out his duties in connection with
"the designing and (as Resident Engineer) supervising the
"laying out of the Cemetery by direct labour and that the
"Chairman be requested to write to Mr. Barker."

In 1905 the Council purchased the Leveretts Estate containing an area of 70 acres for Cemetery purposes and of this area 35 acres have been laid out as a Cemetery and 5 acres temporarily for Allotment purposes. Owing to the waterlogged condition of the subsoil a complete subsoil Drainage Scheme had to be carried out. This work has been carried out in a very efficient manner and the ground for a considerable depth is absolutely free from water.

The original contour survey of the site was prepared by you, acting as Engineering Assistant to the Council's Surveyor, and the subsoil drainage Scheme and the plans for the laying out of the Cemetery as well as two alternative Schemes were also prepared by you. The engagement of workmen, the ordering of plant and materials, and the setting out of the work, was left in your hands.

In addition to the foregoing the plans, specification, quantities &c., for the Foreman's Cottage and Service buildings, were prepared by you, and the work was done under your supervision.

You also attended all the Meetings of the Committee and reported on the progress and the cost of the works.

The amount expended by the Council in the laying out of the Cemetery was £15,000 (exclusive of the cost of the Chapel).

Yours faithfully,

(Signed) EDWD. F. FREELAND,

Chairman of the Committee.

H.W. BARKER ESQ., A.M.I.C.E.,
Engineer & Surveyor's Department,
Council House, HANDSWORTH.

No. 2358/16



26
Educational Department. 27

C.No.807 Edl., From Mr. H.W.Barker, dated the 1st March 1916.

C.No.1087 Edl., " the D.P.I., No.2358. dated the 21st March 1916.

ORDER :- 487 Edl & 5-5-16
P.S. 26P

The Secretary of State for India will
be ~~referred~~ ^{referred to} for sanction ~~in~~ the appointment
of Mr. H.W. Barker to the Indian Educational
Service as Professor of Civil Engineering in
the College of Engineering, Madras, and ~~in~~ the
payment to him of an initial salary of Rs.700
in the scale of Rs.500-50-1,000, subject to
the condition that he should draw his first ^{note}
increment of Rs.50 ~~only~~ when he would have
reached the grade of Rs.750 in the usual
course if he had started on Rs.500 per mensem.

until the
time
arrives

To
The D.P.I.

(initials) 24/6/16
5.5.16
15.5.16

Letter:-

ORDINARY.

PRESS SLIP.

PREFERENCE.

URGENT (a).

Educational DEPARTMENT.

19 MAY 1916

INSTRUCTIONS FOR THE SECRETARIAT.

(a) If a paper is marked to be printed urgently, the Superintendent of the section concerned should sign the Press slip. The Superintendent should exercise a careful discretion in the matter.

(b) Each letter, memorandum, or order, or set of orders, in the file of correspondence should be headed in succession with the Roman numeral I, II, III, etc., the number being written in red ink or blue chalk above the item. The particular papers to be printed in the special issue-copies should be indicated by the Roman numeral (I, II, etc.) by which that item has been headed in the correspondence file. All matter, including marginal remarks or references, to be printed should be written in ink and matter which should not be printed should be encircled. Initials and signatures that are not quite legible should be re-written distinctly.

(b¹) For rules regarding printing of notes, see rule 315 of the office Manual.

(c) The number of copies and the details of distribution should be filled in by the Superintendent or Referencer concerned.

(d) In the absence of special instructions to the Press to keep matter standing for a specified period, ordinary papers of 8 pages and under will be kept standing for one week, and larger papers for two weeks only. The type of notes and of all confidential papers is distributed immediately after striking.

(e) This slip, properly and completely filled in, should accompany every paper sent to Press; it will be returned by the Press when proofs are furnished; it should be sent to the Press when a call is made for revised proofs or when a corrected proof is sent for striking. When finally returned by Press it should be filed with the original order or letter.

INSTRUCTIONS FOR THE PRESS.

(a) If, in the opinion of the Superintendent of the Press, a paper has been marked urgent unnecessarily, he should send the Press slip to the Registrar with a remark to that effect.

(b) Unless a note to the contrary is made against the matter, pencil entries should not be printed. The Superintendent of the Press may bring to the notice of the Registrar any instance of incomplete or careless editing.

(c) Signature copies of letters to the Secretary of State or to the Government of India should be printed on hand-made paper.

(d) This slip should be returned by the Press to the Secretariat when proofs are furnished; it will be sent back to the Press when proofs are returned corrected and should be finally returned to the Secretariat when struck-off copies are supplied.

(e) The names of the Secretary and Members should be printed in full when they occur on the right hand side, only the first time when they appear on the left side, the initials alone being printed later.

Current No. dated 191 ..
G.O. No. 48701 dated 5-5-1916
+ despatch no 200 (b) 17-5-1916
Number of MS. pages sent { Correspondence 18
(b¹) Notes 19
(will be sent separately)

Brief subject

(c) Number of copies required when struck off (not including copies for volumes and editors' table which are retained in the Press).	E. T. copies to supply requisitions for purchase by the public.	Complete correspondence and orders	Notes.
FOR RECORD.*			
Madras Records	4	6	16
Ooty Records		3	3
For filing with original			1
Total ..		9	20

FOR ISSUE.†

	Letter only.	Complete G.O.	Special issue copies of G.O.		Notes.
			No.	Papers.	
Signature copies.....	2	2			
India Office.....	4				
Govt. of India.....Dept.	2				
Revenue Department					
Public Works Department.....					
Local and Municipal Department.....					
Educational Department.....Dept.					
Public Dept.....					
Judicial Dept					
Political.....					
Financial Dept.....					
Marine Dept.....					
Ecclesiastical Dept... }					
Total					
Spare copies					
The.....					
The.....					
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The.....					
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The.....					
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The.....					
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The.....					
The.....					
The.....					
The.....					
Total ..	2	6			

* Copies distributed on ‡(Press Clerk).

† Copies distributed on ‡(Press Despatcher).

‡ To be initialled and dated.

TO PRESS, MADRAS GOVT.

A	B	C
Please send proof in duplicate. The papers have been carefully edited.	Proof returned corrected. Please strike off and send number of copies as indicated.	As the matter is clear manuscript and has been carefully edited, (b) proof need not be sent. Please print and supply number of copies as indicated.
Type may be released after usual interval at once.	Type may be released after usual interval at once.	Type may be released after usual interval.
Referencer. Clerk.	Referencer. Clerk.	Referencer. Clerk.
Supdt.	Supdt.	Supdt.

SPECIAL INSTRUCTIONS.

Mr. H. W. Barker

Informing the D.P.I. that the Secretary of State will be moved to sanction the appointment of — to the Indian Educational Service as Professor of Civil Engineering in the College of Engineering, Madras, and the payment to him of an initial salary of Rs. 700.

TO BE FILLED IN BY THE PRESS.

Diary.	Initials of Press official.
Received in Press on.....	
First proof furnished on.....	
Call for revised proof received on.....	
Revised proof furnished on.....	
Corrected proof received for striking on.....	
Final copies supplied on.....	

Account of copies.	Complete copies.	Notes.	Issue copies.	Special E.T. edition
Supplied to Secretariat for Record.....				
" " " Issue.....				
" " " for Extra E.T. copies to supply requisitions for sale to the public.				4
For Volumes.....				
For supply to newspapers and institutions admitted to the privileges of the E.T.				
Total ...				

First copy sent to Press.

Returned for signature.

Despatched in Print.

RECEIVED G.O. No.

191

CURRENT No.

ENCLOSURES TO G. No.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILLED UP, BEING MEANT FOR DELIVERY IN ORIGINAL.

S. E.

A = Print in full.
B = Not to be printed.
F = Print abstract only.
Q = Print heading only.