CURRENT No. 449

[91] Education DEPARTMENT. T.

P.W.C.V. — 6108

SECRETARY TO GOVERNMENT
20 JAN 88
P.W. DEPARTMENT, MADRAS.

From

S. Gopalachari
no 18. The Loz
Madras.

Rec'd 25.6.88
E.1

Transferred to the Public works dept
(by order)
A.G. Cardew
a/ Undersecy

HCh

H.W.B

No. 1932 W dy 28th June 1888

No.

Dated 5/6

Received 7th June 88

Enclosures -

No. 1932 W dy 28-6-88

SUBJECT

Praying that he may be appointed Asst Engineer.

The petitioner is referred to G.O. No. 739 W dy 27th Feb 1888 & to G.O. No. 1931 W dy 28th June 1888 on his petition dated 11th May 1888.

Sec
21/6/88

a.s.u.

To, The Petitioner. V Secy 29/6

OLS 12.7.88

Hm 21.6 22.6 25/6

With order

NL

O.S. 24/6 M. 23.6.88

With order

Go 1979 W a/c 28.11.87

P.W.C. No 6129

No I old Rules

CIVIL ENGINEERING COLLEGE, MADRAS.

EXAMINATION FOR CERTIFICATES AS ASSISTANT ENGINEER.

1

THE Examination is held annually in December, and is open to Second-year Students of the College First Department; and, on payment of a fee of Rupees 25, to independent candidates who have passed the First Examination in Arts of the Madras or other Indian University. The Examination takes place at the Civil Engineering College. Notice of the date of the commencement of the Examination is given in the *Fort St. George Gazette* issues of the previous October.

2 The test comprises :—

I. MATHEMATICS—

(*a.*) *Arithmetic.*—The whole.

(*b.*) *Algebra.*—Arithmetic processes; Involution and Evolution; Simple and Quadratic Equations; Surds; Proportion and Variation; Permutations; Progressions; Binomial Theorem; Interest and Discount. Text-book; Todhunter's Algebra.

(*c.*) *Geometry.*—Euclid, books I, II, III, IV, VI. Definitions of Book V. Book XI, Propositions 1 to 21. Easy Deductions. Any text-book. Geometrical Conic Sections including the chief properties of the Parabola and Ellipse. Text-book: Drew.

(*d.*) *Plane Trigonometry.*—Investigation of formulæ. Solution of plane triangles. Calculation and use of Logarithms. Construction of Tables of Goniometric functions. Text-book: Todhunter.—Chapters I to XI and XIII to XVIII.

(*e.*) *Mensuration* of Areas, Surfaces, and Volumes.

(*f.*) *Co-ordinate Geometry* (rectangular co-ordinates only) Straight line, Circle, Parabola. Text-book: Todhunter—Chapters I, II, III, VI.

(*g.*) *Statics.*—Composition and resolution of forces in one plane. Centre of Gravity. Mechanical powers. Virtual Velocities. Friction, and the Rigidity of Cords. Text-books: Parkinson's Mechanics; Twisden's Practical Mechanics—Chapters III to VII of Part 1.

(*h.*) *Dynamics.*—Measures of force. Laws of motion. Motion of a material particle under a constant force in free space, on an inclined plane, and in a circular arc. Simple Pendulum. Moment of Inertia. Text-books: Parkinson's Mechanics; Twisden's Practical Mechanics—Chapters I to VIII of Part 2.

(*k.*) *Hydrostatics and Pneumatics.*—The transmission of pressure by, and the variation of pressure within fluids. Equilibrium of a floating body. Specific Gravity. Application of Principles to common Pump, Force Pump, Hydraulic Press, Fire Engine, Syphon, Diving Bell, Steam Engine, Air Pump and Condenser, Thermometer and Barometer. Heights by the Barometer. Text-book: Besant's Hydrostatics.

II. ENGINEERING—

(*a.*) *Building Materials*, their properties, and modes of preparation. Stone; Bricks; Tiles; Limes, Cements, Mortars, Concretes, and Plasters; Timber; Iron; Paints and Varnishes. Text-book: Rurki Treatise on Civil Engineering.

(*b.*) *Building Construction.*—Foundations including piles, wells, iron tubes, excavating apparatus, coffer dams and caissons. Masonry in walls, piers, arches and retaining walls. Carpentry-joints, frames, floors, staircases and centres. Roofs, terrace, tiled and iron. Text-book: Rurki Treatise on Civil Engineering.

Work order

(*c.*) *Earthwork and Road-making.*—Cuttings, embankments and their volumes. Ordinary and hill roads. Curve tracing. Text-book: Rurki Treatise on Civil Engineering.

(*d.*) *Hydraulics.*—Flow of water through orifices, over weirs, and in rivers, channels and pipes. Time of filling and emptying locks. Text-book: Civil Engineering College Papers, No. X, Part 3.

(*e.*) *Bridges and Irrigation Works.*—Timber, Masonry, and iron bridges; tanks, their escapes, and sluices. Irrigation and Navigation channels, their head-works, weirs, sluices, falls, locks and other appendages. River Improvements. Water-supply of towns. Text-book: Rurki Treatise on Civil Engineering.

(*f.*) *Practical Mechanics.*—Properties of materials; weight; expansion by heat; elasticity; Hooke's Law; effect of stress; rupture. Work. Efficiency of Agents; modulus of machines. Water wheels. Steam indicator. Stability of walls. Pressure of water; pressure of earth. Accumulated work. Text-book: Twisden's Practical Mechanics—Chapters I, II, and VIII of Part 1.

(*g.*) *Applied Mechanics.*—Direct stress; tension, compression, elasticity, set. Stresses in roof trusses and braced bridges; effect of wind on roofs. Stress diagrams. Transverse stress; bending moments and shearing stresses in cantilevers and supported beams variously loaded; moment of resistance by calculation and diagram; deflection. Design of beams, girders, rafters and purlins. Strength of fixed beams by empiric formulæ. Stress in continuous beams graphically, assuming the Theorem of three moments. Stability of walls and arches. Text-book: Rurki Treatise on Civil Engineering, Vol. 3.

III. SURVEYING—

(*a.*) *Surveying* with the Chain and Chain and Compass (Prismatic or Surveying). Keeping the Field Books. Plotting the Surveys. Variation of the Compass. Use of the Pocket Sextant. Plane table.

(*b.*) *Levelling.*—Use of the Dumpy and Y Levels in taking longitudinal and cross sections, and in contouring. Adjustments of these instruments.

(*c.*) *Traversing* with the Theodolite. Use and adjustments of the Theodolite. Working out and potting the traverse. Curve tracing.

(*d.*) *Trigonometrical* Surveying. Base line; Triangulation; Satellite Stations; Calculations; Plotting.

Text-Book: Rurki Manual of Surveying—Chapters I to VII and IX to XIII.

IV. DRAWING AND ESTIMATING—

(*a*) *Architectural Drawing*, from copies and from specifications, of plans, sections and elevations of buildings of all kinds, bridges, anicuts, escapes, locks and sluices.

(*b.*) *Estimating*; including taking out quantities, from plans and notes, for earth-work, buildings, bridges, and irrigation works. Text-book: Civil Engineering College Papers, No. IX.

(*c.*) *Topographical Drawing* of surveys of all kinds.

SCHEME OF MARKS.

The marks awardable at the final Examination are as follow. To secure a certificate as Assistant Engineer, 33 per cent. of the marks under each of the five subject-heads must be gained, and 50 per cent. of the total. The gain of 66 per cent. of the total constitutes a pass with credit.

I. MATHEMATICS—

Arithmetic	...	100
Algebra	...	100
Euclid	...	100
Mensuration	...	100
Trigonometry	...	100
Statics and Dynamics	...	100
Conic Sections and Co-ordinate Geometry	...	50
		650

II. ENGINEERING—

Building Materials and Construction	...	100
Earth-work and Road-making	...	100
Bridges and Irrigation Works	...	100
Hydrostatics	...	100
Hydraulics	...	100
Practical Mechanics	...	150
Applied Mechanics	...	750

III. SURVEYING AND LEVELLING—

Chain, Compass, and Sextant Surveying	...	100
Levelling	...	100
Theodolite and Traverse Surveying	...	250
Session Work*	...	550

IV. DRAWING AND ESTIMATING—

Drawing from Specification	...	100
Copying and Coloring	...	100
Estimating	...	100
Session Work*	...	150
		450

V. SESSIONAL EXAMINATIONS IN ALL SUBJECTS* ... ... 500 — 500

2,900

* These marks are not awardable to candidates who are not College Students. Such outside candidates as pass a satisfactory examination in the remaining subject-heads are required to perform the following practical work under the supervision of the College or of an Officer of the Public Works Department.

(*a*) To survey with the Chain and Compass a piece of moderately difficult ground not less than one square mile in area, and to plot it on a scale of 200 feet to 1 inch.

(*b.*) To run a line of levels not less than one mile in length, to take cross sections at every quarter mile, and to plot the levels on scales of 200 feet to 1 inch horizontal and 10 feet to 1 inch vertical.

(*c.*) To traverse with the theodolite an area of not less than 50 acres, to make up the traverse and plot the work.

The field books and drawings are to be submitted to the Principal with a certificate from the Supervising Officer to the effect that the candidate understands the adjustments of the Theodolite and Levels; and if they are found satisfactory, a certificate will be awarded.

An independent candidate must submit his application by the date previously notified in the *Gazette*, and send with it his fee *by Money Order, Currency Notes or Cash*. A candidate not in Government employ must produce, in addition to his University Certificate, a certificate from a Government Medical Officer declaring his fitness for the out-door work of the Public Works Department.

CIVIL ENGINEERING COLLEGE,
MADRAS,
188 .

H. D. LOVE, CAPT., R.E.,
Principal, C. E. College.

P. W. Sec. K.O
6107 '88

Sl 396 '88
1

No II

Triplicane
27th February 188

To

Col. H. R. Mead R.E.
Secretary to Government P.W.D.
Madras.

The humble Petition of Gopala Chari Kombur. S. residing at No 27 Car street Triplicane, Madras, most respectfully Showeth,

That the Petitioner was the only candidate who passed the Examination for the Assist.t Civil Engineer's certificate of the Civil Engineering college held in December 1887 in accordance with the order of the Government of Madras, No 293 dated 9th June 1887.

2. That he has passed the B. C. E. Degree Examination held in January 1888, and was placed in the Second Class

3. That the Petitioner begs to submit that he has studied for the A. C. E degree Examination in the

Sl 396 '88
2

in the Madras Civil Engineering
college for two years (1885-86) but
he failed to pass the Examination
held in December 1886, owing to Serious
ill health

4. That the Petitioner had
to study privately last year for
want of a class in the Civil Engineering
college to qualify students to pass
the A.C.E. Examination according to
the old rules, yet as the A.C.E.
Examination itself was an exam-
-ination held by the C.E College
and as he has studied there
for the full period of two years
the Course prescribed by the
old rules, he respectfully submits
that he should be deemed to
all intents And purposes
a student of the College within
the meaning of G.O. No 74 W.
dated 9th January 1885.

5. That the Petitioner therefore
for prays that he may be

appointed

appointed as an Assistant Engineer
3rd grade in accordance with the
G.O. mentioned in the above
paragraph.

For this act of kindness the
petitioner, as in duty bound, shall
ever pray.

your most obedient Servant

L. Gopalacharri

P. W. 679/5107 98

No. III.

Proceedings of the Director of Public Instruction.

Dated 10th February 1887
No. 587

Reference

Officer - Principal
College of Engineering

No. 679 C.

Dated 8th February 1887

Subject

Forwarding his remarks on the application of S. Gopalachariar & others regarding the holding of an examination for Assistant Engineers' Certificate in December 1887.

A Special Examination under the old rules cannot be held for unsuccessful candidates.

(Signed) D. Duncan
ag. Director of Public Instruction

(True copy)
(Sd) V. S. Seshadria Chari
ag. Asst. to the Director of
Public Instruction

To
The Principal, College of Engineering
& Petitioners.

(True copy)
S. Gopalachari

C/1396/15
3

E.8

P.W. 6107/88

[25]

No. IV. Educational Department.

Proceedings of the Madras Government.

Read the following papers:—

Endorsement in the Public Works Department dated 14th March 1887 No. 952.C.

Office note in the Public Works Department dated 17th April 1887 No. 7

From the Director of Public Instruction dated 23rd May 1887 No. 9/24.

—

Order dated 9th June 1887 No. 293.

The Government consider that the prayer of the Petitioners in the first of the foregoing papers is reasonable and the recommendation of the Public Works Department will be adopted. The Petitioners will be allowed to present themselves once more for the A.C.E. degree as independent candidates in December next, and the Director of Public Instruction will issue instructions that the necessary arrangements for conducting the Examination of Petitioners are made.

(True Extract) (Sd) A.G. Cardew
Under Secretary

To

S. Gopala chari & others
residing at 2/ Car Street
Triplicane

(True copy)

S. Gopalachari

W 3726/88

E.7
PW 6107
1888

No XV

Public Works Department

Proceedings of the Madras Government

Read the following

Petition from S. Gopalachari dated 29th February 1888.

—

Order thereon No 739 W dated 3rd March 1888.

The petitioner will be informed that having failed at the competition examination held in December 1886, he has no claim to be appointed an Assistant Engineer in the P. W. D.

2. The examination held in December 1887 was specially arranged, as a matter of grace, to give candidates who failed in 1886 a final chance of gaining an A. C. E. Certificate.

(True Extract)
(Sd) W. C. Baddilee Capt. R.E.
Under Secretary to Govt. P.W.D

To
The Petitioner.

(True copy)
S. Gopalachari

3796/88

No VI

CIVIL ENGINEERING COLLEGE, MADRAS.

Abstract Statement of Results of Examination, held in December 1869.

Number.	First Department.	Time at College.	Mathematics.	Civil Engineering.	Surveying and Levelling.	Drawing and Estimating.	Grand Total.	Remarks.
	Full Marks		800	500	450	350	2,100	
	Minimum for College Certificate as Asst. Engineer...		266	166	150	116	1,050	Minimum Total.
		Y. M.						
1	C. Chinnatamby Pillay	1 5	524	265	327	283	1,399	Obtained Certificate as Assistant Engineer, P. W. D.
2	Mr. E. G. Lynn	1 5	506	294	336	248	1,384	
3	„ C. H. T. Norfor	1 5	335	245	266	202	1,048	
4	„ A. W. Hunter	1 5	189	250	279	179	897	To remain in College.
5	„ H. Arbuthnot	1 5	185	201	273	188	847	

CIVIL ENGINEERING COLLEGE,
Madras, 15th January 1870.

W. H. EDGCOME, Captain, R. E.,
Principal.

[439.—'70.]

Per Book post-

To

The Hon'ble
G. F. Laughton Esq.

Madras.

To

SECRETARY TO GOVERNMENT
11 MAY 88
P.W. DEPARTMENT, MADRAS.

CURRENT No. 396

His Excellency the Governor
of Fort Saint George
in Council

Through Colonel J. O. Hasted R.E.
Chief Engineer and Secretary
to Government P. W. D.

The humble petition of S. Gopala Chari
Kombur, Care of A. Gopala Iyengar, B.A.
Head Clerk, District Forest Office, Nilgiris

Most respectfully sheweth.

That the Petitioner put in a petition (vide Enclosure No II) for his being made an Assistant Engineer in the Madras P.W.D as per G.O. No 74 W. dated 9th January 1885, vide Fort Saint George Gazette dated 13th January 1885, he being the only successful candidate in the A.C.E. Examination held in December 1887 agreeable to the Order

Order of the Madras Government No 293
dated 9th January 1887 (Vide Enclosure No IV).

2. That in reply to his petition he got an order No 739. W. dated 3rd March 1888 (Vide Enclosure V) setting forth two objections for the prayer being not granted.

3. That as to the first "the Petitioner having failed at the Competitive Examination held in December 1886 he has no claim to be appointed an Assistant Engineer in the P.W.D," The Petitioner begs to submit

(a). That there is no provision under the old rules which only bind the Petitioner, to that effect.

(b) That the only states that the highest qualified student in A.C.E. gets the guaranteed place - Vide Fort Saint George Gazette dated 28th October 1884 - without any other restriction as in the rules for the "Covenanted Civil Service" Examination wherein it is plainly stated that a candidate who fails once cannot compete for the Examination afterwards - Vide Fort Saint George Gazette of December 5, 1882.

(C) That in the Poona "College of Science" the qualification for the guaranteed Assistant Engineers place is the "first

place

place in the 1st class in L.C.E" every
Year without any precedent whatever and
that there have been cases like the Petitioners
wherein such persons have been appointed
as Assistant Engineers.

4. That as to the second objection" the
Examination held in December 1887 was
specially arranged as a matter of grace
to give candidates who failed in 1886
a final chance of gaining a A.C.E.
Certificate" the Petitioner begs to state

(a) that the sanctioning of the Examination
was not "a matter of grace" but because
the prayer of the Petitioners was "reasonable"
as is plainly stated in the Order
sanctioning the Examination (Vide Encl: IV).

(b) that under the old rules an A.C.E.
Examination was to be held "annually"
i whether there be only College Candidates
ii whether there be only unsuccessful
Candidates of the previous years appearing
as independent Candidates
iii whether there be only independent Candidates
who are F.As who have not studied
in the College at all
iv or any or all of these kinds appearing
for the A.C.E. Examination (Vide Encl: No I).

(c) that the certificates granted to the successful
Candidates of all these kinds were in effect
of only one type but with the single
distinction that the highest qualified
student of that year gets the guaranteed
place

place.

(d) That the Petitioner would have joined the College again in 1887 as in the case of Mr. A.C. Hunter &c who were allowed "to remain in College" (Vide Enclo: No VI), had there been a class under the old rules sending up students for the A.C.E. Examination of December 1887 but which class was not kept merely to save expense to Government

(E) That there was no Notification that the College class under the old rules for the A.C.E. Examination would cease, by December 1886 or that the A.C.E. Examination of 1886 would be the last competitive Examination under the old rules, (not as is done by the University in such cases and wherein the generally allotted prizes and endowments are distributed among the deserving Candidates of the year like 1887 for the A.C.E. Candidates.

(f) That for the reasons (d) and (E) alone said the Petitioner and other unsuccessful Candidates in A.C.E. of 1886 had to pray the Government for sanctioning them a "special Examination" against the Order of the Director of Public Instruction (Vide Enclo: No III) for the mere reason of their being distinguished from quite independent Candidates when they could go up for the Examination as such in December 1887 according to the old rules, without any petition to Government for the special Examination the sanctioning of which, but for its considering the candidates as Equal to the College Students of that year competing for the Guaranteed places, would confer no more benefit

on

on them so far as passing the A.C.E. Examination and acquiring the Associate Engineers Certificate are concerned, than an Examination which was to be generally held for even quite independent Candidates who have not studied in the College at all.

(g) That the Petitioner was allowed to appear for the A.C.E. Examination as an "independent Candidate":- independent, ~~from~~

(1) Not as an F.A. Candidate who has not studied in the College at all.

(2) Nor as an unsuccessful Candidate of any previous year having no chance of study in the College for the year 1887 appearing independently

but independent only so far

(1) as not studying in the College for the year 1887 (solely) owing to the want of a College class under the old Rules for the reason of its entailing much ~~the~~ expense to Government

(2) As to the dealing of only 2000 marks for the actual A.C.E. Examination without the 900 marks made up of the marks of the third Session Examination and marks allotted for the session viz: field work to which 900 marks could be got only by those who are actually studying in the College that year (Vide Encl^re No I).

(3) As to putting in an application fee,

are Concerned.

(h) That in other respects the Petitioner should only be considered by the Order sanctioning the Examination, as a College Candidate of the year 1887.

5. That the last A.C.E. Examination was by far more difficult than those of the previous years which will be evident by comparing the other years' Question papers with those of December 1887 or by a simple inspection of the results of all the classes of the College which had the same question papers in the subjects common to them all with those of the A.C.E. Examination.

To state some of the results briefly:- The Engineer class 1st Division under the new rules had the "Mechanics," "Hydrostatics" and "Estimating" papers in common with the Special A.C.E. Set and many of the students of that class got very low marks.

Of the Special "Surveyors"-8 in Number who had some of the "pure Mathematics" papers, Major portion of the "Drawing" and "Surveying" subjects papers in Common with the A.C.E. Candidates of the year 1887 only one was Successful.

One of 8 Surveyors of the College under the new rules who had "Theodolite"

and

and Traversing" paper in common
2 only passed.
And one of 18 of the Draughtsman
class who had "Golimating" paper
in common only one passed the Examina-
tion.

6. That in such an Examination
the Petitioner has got about 58
per cent and has a clear advantage
of 130 marks over the Second
Candidate who though he got 22
marks over the passable minimum
has yet failed by his difficiency
in one of the subjects.

7. That the competition throughout
among the 3 unsuccessful candidates
of the previous year, was very
severe, all these three being very
well prepared to avoid a second
failure and trying their best to
get the first place with the Guaranteed
post in view.

8. That the Petitioners having passed
the B. C. E. Examination in the 2nd Class

which.

which means that he has got over
58.3 per cent $\frac{7}{12}$ths being the minimum
for the 2nd class which minimum will
nearly procure a 1st class in Arts Examinations
is another proof of his knowledge.

Under these circumstances
and for the reasons above set forth
the Petitioner prays that His Excellency
in Council will be graciously
pleased to grant the Eligibility
of the Petitioner to the guaranteed
place of ~~[illegible]~~ Assistant Engineer
and to confer on him the same.

For which act of Kindness
the Petitioner as in duty bound
shall ever pray

11th May 1888
Cotacammnd } S. Gopalachari

P. W. Co. ~~6107~~

P. W. Co 4

6107 788

R. A. No 56/88

CURRENT NO. 396

Ecd 30 P.W. Department
No. 190 D. Octacamund 18 May 1888.

Referred to the Educational Department with a view to the remarks of the Director of Public Instruction being obtained.

By order Colonel R.G.
Secy to Govt P.W. Department.

TO BE RETURNED WITH REPLY.

CHIEF SECRETARY GOVERNMENT OF MADRAS 19 MAY 88

dy 21st May 188

Referred to the Director of Public Instruction for remarks.

W. R. Stokes
Chief Secy

No 1905 D.

To
The Educational Department.

2 R. No 350 of 1888-89.

No 142.

23/5

Referred to the Principal of the College of Engineering for remarks

for P. Sanjiva Row Naidu.

Returned.
23.5.88

P.W. Enc. 4397.

From
S. Gopalachari
Subjoin P.N. Enq 3
6107 9/88

B 11/5.
~~Rec'd 19/5.~~ Enclo. 6.

Subject
Praying that he may be appointed Assistant Engineer.

Referred

No 119 C. Dated 21st May 1888.

From the Acting Principal
College of Engineering, Madras.

To
The Director of Public Instruction
Madras.

Sir,

I have the honor to return herewith the papers received with your Endorsement No 142 dated 23rd instant and to remark as follows:-

2. The claim of S. Gopala chari to be appointed Assistant Engineer in the Public Works Department because he succeeded in qualifying at the special examination held last December should certainly be rejected he has really nothing in his favor either in the spirit or the letter of the regulations.

3. In the first place I cannot find

that any such appointment was promised to any one who passed in December 1887. in former years there was a Notification in the Gazette before-hand but this time as no Class would pass out of the College owing to the change of Rules no such Notification was necessary and so none was made.

4. The Petitioner failed to qualify at the examination held in December 1886. and he with others who had failed at the same time petitioned for a re-examination their petition was granted and the re-examination was for convenience sake only held in December 1887. it might have been held in any other month and the mere fact of its being held in December does not I think give the Petitioner a claim to the appointment.

5. At the examination held in December 1886 when the Petitioner failed 7 Students succeeded in qualifying the first of these was appointed Assistant Engineer and all the others have I consider better claims than the Petitioner.

6. The appointment the Petitioner claims has already been promised vide G.O. 206. Department, dated 3rd February 1888. No 89. So even if he had a shadow of a right to it, which I deny, it could not be given to him without cancelling that order.

I have &c.

(Sd) C. B. Henderson Capt. R.E.
Acting Principal.

(True Copy)

C. B. Smith
Director of Public Instruction

P. W. 542
610/788

ENCLOSURE NO. 440

OFFICE OF THE DIRECTOR OF
PUBLIC INSTRUCTION,
Madras, Octacamund 5 June 1888.

No. 9/187

From

H. B. GRIGG, ESQ., M.A.,
DIRECTOR OF PUBLIC INSTRUCTION,
Madras,

To

The Honble the Chief Secretary to Govt.
Fort St. George.

SIR,

In returning the papers referred to me under Endorsement dated 21st May 1888. No C/396 I have the honor to draw the attention of Government to the fact that under the sanction of the Government of India recorded in G.O. dated 11 January 1888. No 97 P. Public Works the appointment for 1887 which the Petitioner seeks has already been promised to one of the two students who stand highest at the A. C. E. Examination to be held in December next. Consequently the Petitioner's prayer cannot be granted without obtaining

From

Educ 89 of 3/5/88

SL 440/788

from the Government of India a revision of this sanction.

2. In the second place I am of opinion that the Petitioner has made out no claim whatever to the appointment which would in ordinary circumstances have been granted last year. For the reasons given in the enclosed copy of a letter from the Acting Principal College of Engineering. If any concession is to be allowed it should certainly be in favor of the student who stood second in the A. C. E. Examination of December 1886, instead of in favor of a student who failed in that examination, and did not succeed in passing the test until a year later although he then attained the first place.

P. W. Enl. 6107/88

I have the honor to be
Sir
Your most obedt Servant

[illegible]
Director of Public Instn

SECRETARY TO GOVERNMENT
20 JAN
P.W. DEPARTMENT, MADRAS.

CURRENT No. 440.

[9]

EDUCATIONAL DEPARTMENT.

Pr C No. 6107

From The Director of Public Instruction
Madras

Rec'd 25.6.88.

No. 0/187.

Dated 5th
Received 6th } June 1888

Enclosures 2.

No. 1931 W d/28th June 1888

SUBJECT

Submitting with remarks the petition of S. Gopalachari praying that he be appointed Assistant Engineer.

With order

Transferred to the P.W.D, with original papers received under endorsement No. 1908 dated 18 May 1888 returned, and an intimation that the Government in the Educational Dept quite agree with the Director of Public Instruction

(By order)
S. G. Cardew.
Ag Under Secretary

No. 744 d/9.1.85.
" 864 Cd/8.3.85
" 952 Cd/14.3.85
" 1215 Cd/29.3.85
" 78 d/7.4.85
" 253 d/21.6.85
" 3348-49 W d/7.12.85
" 97 W d/11.1.88
" 739 W d/3.3.88
" 1908 d/18.5.88.

To the P.W. Dept
with papers.

No. 1931 W d/28th June 1888

The petitioner is informed that the Government do not admit that he has any claim to the appointment which he seeks. His application cannot therefore be entertained.—

Expd. 28/6

To
The Petitioner

No. 789 W. of 3.3.88.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

Proceedings of the Government of India, Public Works Department (General), dated Fort William, 13th December 1884, No. 1443 G.

Engineer Appointments guaranteed to Indian Civil Engineering Colleges.

Read again—

Despatch from the Secretary of State, No. 32, dated 4th August 1881.
" to " " " 38, " 8th July 1882.
" from " " " 52, " 28th Sept. "
Public Works Department Resolution, Nos. 1516—28 G., dated 11th November 1882.
" " " " 241—51 G., " 14th February 1883.
Despatch to the Secretary of State, No. 36, dated 28th July 1883.
" from " " " 74, " 20th December 1883.
" to " " " 14, " 21st April 1884.
" from " " " 38, " 24th July "
" to " " " 45, " 29th Aug. "

Read also—

Despatch from the Secretary of State, No. 67, dated 30th October 1884.

Resolution—

The rules regulating the admission of students to the Indian Engineering Colleges, and the manner in which appointments in the Engineering Branch of the Public Works Department may be obtained by students of these colleges, are contained in the Resolutions of the Government of India, in the Public Works Department, of 11th November 1882 and 14th February 1883. These Resolutions modified the previously existing rules in several respects, and notably in giving to students of pure Indian descent a preference over all other students for guaranteed appointments in the Public Works Department. As long ago as 1876 it had been remarked by the Secretary of State that very few persons of pure Indian origin succeeded in obtaining appointments in the public service through the engineering class of the Thomason College, and between that time and the year 1882 he had repeatedly urged on the Government of India the advisability of giving to pure natives a preferential claim to such appointments. The Government of India, while recognising the desirableness of attracting natives of India to the Engineer Department, hesitated to give an exclusive preference to one class of natives of India as defined by statute, and the discussions on this point ranged over a considerable period. Ultimately, the Governor-General in Council acquiesced in the proposals of the Secretary of State, being influenced mainly by the consideration that, owing to reductions in the Public Works Department, the number of appointments available for pupils of the Indian colleges had become so small that in no other way could the object in view be attained. The number of appointments guaranteed to the four Indian colleges was no more than six for the year 1885 and seven for 1886, and, under these circumstances, almost the only way of facilitating the candidature of pure natives seemed to be to give them a preference over other students. Shortly after the issue of the Resolutions in question, memorials were received from various Associations of domiciled Europeans and Eurasians in India, remonstrating against the disadvantage at which persons of their class were placed by the new rules. These memorials were forwarded to the Secretary of State

with the despatch from the Government of India of 28th July 1883, in which the Governor-General in Council remarked that although, looking to the small number of appointments involved, the memorialists appeared to exaggerate somewhat the practical effect of the rules upon their interests, he could not but think that "they had a certain solid foundation for their dissatisfaction, and that their representations deserved attention." The Governor-General in Council accordingly recommended that arrangements should be made in regard to the recruiting of the Public Works Department which would have the effect of increasing the number of appointments available for the Indian colleges to eleven, and that, with this extension of the field of employment, the area of competition might again be widened so as to include all persons coming under the statutory definition of natives of India. Considerable correspondence has since taken place upon various points of detail in this scheme, and the Secretary of State has now decided that the annual recruitment from the Indian colleges shall be fixed at nine. Although somewhat smaller than what they had recommended, the Government of India believe that this increase in the number of appointments, taken in connection with the changes made in other respects in the rules of admission to the college, renders it unnecessary to maintain a preference in favor of students of pure Indian descent, and that the object with which that preference was given may now be sufficiently attained without it. In future, therefore, all students coming under the statutory definition of natives of India will be eligible to compete on equal terms for the guaranteed appointments in the Public Works Department.

The appointments will, for the present, be allotted as follows:—

To Thomason College, Rurki	4 and 5 alternately.
„ Seebpore „	2 and 1 „
„ Madras Civil Engineering College	1
„ Poona College of Science	2

Order—

Ordered that this Resolution be communicated to the Local Governments and Administrations noted in the margin; also that it be published in the *Gazette of India* and in all local official gazettes.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, in the Public Works Department.
The Chief Commissioners of the Central Provinces, British Burma, Assam, and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana, and Beluchistan.
The Director-General of Railways.

(Signed) A. B. SAMPSON,
Under Secy. to the Govt. of India.

ORDER—dated 9th January 1885, No. 74 W., Public Works.

Ordered to be published in the *Fort St. George Gazette*.

2. The orders now received from the Government of India supersede the notification published at page 696, part I, of the *Fort St. George Gazette* of 28th October 1884, so far as the competition therein advertised is restricted to natives of pure Asiatic origin.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Government Press, for publication of proceedings in full.
„ Educational Department.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated January, 9th.

Read. *Encl.*

G.O., 9th Jan. 1885, No. 74 W.

JANUARY.

Engineer Appointments

Resolution of the Government of India on the subject of the — guaranteed to Indian Civil Engineering Colleges, ordered to be published in the *Fort St. George Gazette*.

1887.

P. W. DEPARTMENT.

Current No. 1773

From S. Gopala chari
S. Sivagnana Mudaliyar
C. R. Srinivasa Iyengar

ENCLOS.— 3

No.
Dated 3d Feby 1887
Received 4th March 1887

SUBJECT.

Pray that an Examination for the A. C. E. be held in December 1887 & to declare that the present rules do not apply to Candidates who completed their College course under the old rules —

DISPOSAL.

W. 8.

No. 864C Dated 8th March 1887

Referred to the Principal Madras College of Engineering for favours of remarks.

(Sd) J. O. Hosted, Col.
Chief Engr. P. W. Dept

DC
9/3/87

1887.

P. W. DEPARTMENT.

Current No. 1773 & 1990

From The Principal C. E. College

ENCLOS.— 4

No. 765C
Dated 10th March 1887
Received 11th ——

SUBJECT.

Returns with remarks the petition from Gopala chari and two others praying that an Examination may be held in December 1887 for them.

DISPOSAL.

No. 952C Dated 16th March 1887

Forwarded to the Educational dept. with recommendation that the prayer of the petitioners be granted, if possible, this case being exceptional.

(Sd) Jo. Hosted, Col. RE.
Secy. to Govt. P. W. dept.

DC
14/3/87

1887.

P. W. DEPARTMENT.

Current No. 2503

From The Ag: Principal, C. E. College.

ENCLOS.— 1

No. 798C
Dated 26th March 1887
Received 28th ——

SUBJECT.

Enclosing a copy of the Proc: of the Director of P. I. Madras intimating that the Examination of S. Gopala chari & 2 others will be conducted on payment of fees sufficient to cover the cost of setting the extra papers & examining the answers —

DISPOSAL.

No. 1215 Dated 29th March 1887

Forwarded to the Educational dept, in contn of G. O. No. 952C dated 14th March 1887.

(Sd) J. O. Hosted, Col. RE
Secy. to Govt. P. W. D.

To
The Educational dept.

DC
31/3

P.W.D.-2723

CHIEF SECRETARIAT,
Madras, 31 March 1887

R. C. C. 87

OFFICE NOTE.

From
ag:
THE CHIEF SECRETARY,

To
The Secretary to Government,
Public Works Deptt.

Reference.

Your endorsement No. 952C, dated 14th March 1887.

No. 798 dt 9th April 1887

The undersigned has the honor to point out that the Principal of the College of Engineering is an Educational Officer, and that the reference to him of a petition by your endorsement No. 864C, dated 8th March 1887 should have been made through the Educational Department. His reply would then have been forwarded through the Director of Public Instruction, and the

No. 952 C of 14-3-87
" 864 C " 8-3-87

Nos 1215 C of
" 952 C of 14-3-87
" 864 C " 8-3-87

necessity of now referring the matter to that Officer would have been obviated.

H. Elcho
Ag: Chief Secretary

C

Recorded for guidance.

5/4/87

Jm 6/4/87

O/S 20/IV

0/5/4

No. 7 D.

Government of Madras.

PUBLIC WORKS DEPARTMENT,

Ootacamund, 7th April 1887.

OFFICE NOTE.

From The Secretary P.W. Dept

To The Chief Secretary

With reference to the Chief Secretary's office note dated 31st March 1887. the undersigned has the honor to explain that his reference to the Principal Madras College of Engineering No. 864 C dy 8th March 1887. was made in his capacity as Chief Engineer, - as in that capacity he desired

to have the Principal's
views, before addressing
the Educational Dept
in his capacity as
Secretary.

(Sd) J. O. H.

W

No 864C d/ 8.3.87.
952C d/ 14.3.87
1215C d/ 29.3.87.

No. 7 D d/ 9th April 1887

Despatched 7/4/87.

Educational Department.

CHIEF SECRETARIAT, MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following papers

Endorsement in the Public Works Department d/ 14th March 1887 No. 952 C

Office+ Note from the P.W.D d/ 7th April 1887 No. 7.

From the Director of Public Instruction d/ 23rd May 1887 No. C/24. regarding petition from Gopala Chan and others praying that a Special examination may be held to enable them to appear for the A.C.E. Examination in December next

+ [illegible] Ooty

—

Order - d/ 9th June 1887 No. 293

The Government consider that the prayer of the Petitioners in the first of the foregoing papers is reasonable and the recommendation of the Public Works Department will be adopted. The Petitioners will be allowed to present themselves once more for the A.C.E. degree as independent candidates in December next, and the Director of Public Instruction will issue instructions that the necessary arrangements for conducting the Examination of Petitioners are made.

(True Extract)

A. G. Cardew.
Under Secretary

To,
The P.W.D.
Gopala Chari & others

No. 7 Dy 7/4/87 File

[6] P.W.C. No. 4648

Govt. of {188 } Madras.

(2)

To

The P.W. Dept

R 18-6-87

Proceedings, dated 9 June 188

No. 293

Subject.

No. 255 D 21st June 1887

College of Engineering

Arrangements for Examination of certain Invited A.C.E. Candidates in December next.

No. 255 D. 21st June 1887
Received
18.6.87

Letter 21/6/87

135-VI

11TH JANUARY 1888, No. 97 W. PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter from G. H. D. WALKER, Esq., Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 21st December 1887, No. 2529 G:—

In reply to your letter No. 3349 W., dated 7th December 1887, requesting, for reasons stated, that two appointments may be permitted to be made in December 1888, I am directed to state that, under the circumstances explained, the Government of India has no objection to the arrangement.

2. With regard to your suggestion that a second appointment be allotted to Madras every third year, I am to say that consideration of the question must be deferred for the present.

ORDER—dated 11th January 1888, No. 97 W., Public Works.

Communicated to the Educational Department, with reference to G.O., No. 3348 W., dated 7th December 1887.

2. Two appointments to the Madras Engineering Establishment will accordingly be conferred, on 1st April 1889, on the two students of the Madras College of Engineering who stand highest at the A.C.E. Examination to be held in December 1888.

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Joint Secretary to Govt., P.W.D.

To the Educational Department.
„ Examiner, Public Works Accounts.

Exd. J. Moses.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated January, 11th.

Read. *Encl.*

G.O., 11th Jan. 1888, No. 97 W.

JANUARY.

Establishment

Letter from the Government of India sanctioning proposal to bestow two appointments to the two students of the Assistant Engineering class who stand highest at the final examination in December 1888, communicated to the Educational Department.

Cir. 1915

Ref.

The petitioner failed at the A.C.E. exam. held in Dec. 1886, & as a matter of grace, a special exam. was arranged for himself & two others in Dec. 1887 - (vide 255-D 8721.6.87)

He passed A.C.E. in Dec. 1887, & B.C.E. in January 1888.

He now prays that the guaranteed appt. of Asst. Engr. 3rd grade be conferred on him -

It has already been decided that as there was no regular College exam. in 1887, two appts. should be given to the two men who pass first in Dec. 1888 - Nos two have been confirmed by the Govt. of India - vide G.O. 97 W

No 361 of 23.9.80. Edl
" 61 of 26.4.82. "
" 2849 of 30.10.82
" 1361 W of 9.5.83.
" 670 of 4.10.83. Edl
" 1450 W of 11.6.84
" 1641 W of 1.7.84
" 2647 W of 28.10.84
" 2139 D of 29.11.84
" 1493 C of 8.9.84
" 1975 D of 5.11.84
" 74 W of 9.1.85
" 345 E of 9.7.85
" 2162 C of 15.12.85
" 138 W of 18.1.86.
" 54 D of 28.4.87
" 214 D of 10.6.87
" 1857 W of 11.8.85.
" 539 W of 16.2.88
" 97 W of 11.1.88
" 74 W of 9.1.85.
" 864 C of 8.3.87
" 952 C of 14.3.87
" 1215 C of 29.3.87
" 73 D of 7.4.87
" 255 D of 21.6.87

PWC No 1915

Rc 28.2.88

Rc No 739 W. of 3rd March 1888.

No 739 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 5th March 88.

READ the following

Petition from S. Gopala Chari dated 27 February 1888

The petitioner will be informed that having failed at the Competitive examination held in Dec 1886, he has no claim to be appointed an assistant Engineer in the PWD.

2. The examination held in December 1887 was specially arranged, as a matter of grace, to give Candidates who failed in 1886, a final chance of gaining an A.C.E. Certificate.

29.2.88

29/2/88

To the Petitioner √