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# TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

|          |          |        |
|----------|----------|--------|
| G.O. No. | 1102-A   | Press. |
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| Dated    | 7-5-1880 | 197    |

*L.O.*

Not to be folded or roughly handled

1102-A  
1

GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

7th May 1880, No. 1,102-A W.

General.  
Establishment.

Read the following paper:—

No. 5. From A. B. SAMPSON, Esq., Under Secretary to the Government of India, Public Works Department, (General,) to the Secretary to the Government of Madras, Public Works Department, dated Simla, 13th April 1880, Nos. 842-53 G.

In the distribution of the passed students of the Royal Indian Engineering College among the several provinces and branches, the practice has hitherto been to allow the students their choice, within the numerical limits laid down by the Government of India, according to their standing in the College. The result has been that those trained in Locomotive shops have been posted to Buildings and Roads and so on. To obviate this, the Secretary of State was requested to arrange that their posting might be made to correspond with their training; and the Government of India has been furnished with a memorandum by Colonel Chesney on the subject, of which a copy is enclosed.

2. I am directed to request that the Government of India may be furnished at as early a date as possible with an estimate of the number of the passed students that will be required in Madras as indicated below, distinguishing those required with specialities, such as a knowledge of hydraulic engineering, workshops, &c.:—

- (1) Of those who are now undergoing their course of practical training, whether in England or India. It may be assumed that those now undergoing that course in India will remain at the end of the year as at present posted.
- (2) Of those who will have completed their year of practical training in October 1881.

*Distribution of Assistant Engineers during practical course in England.*

THE Government of India suggest that it would be well to modify the arrangement now in force to some extent. Heretofore the passed students have been allowed to choose their province or branch, within the numerical limits reported by the Government of India, according to their standing on passing out of the College. It is suggested that, instead of this, their postings should be made to accord with the character of their practical training, so that, e.g., those trained in workshops may go to the Railway Branch.

It would be, I think, quite possible to combine the two conditions. It is, of course, most desirable that the practical training may be directed to the special branch of engineering on which the young Engineer is likely to be employed; but the privilege of choosing their branch of the profession is very much valued, and is, in fact, almost the only material advantage a student gains by taking a good place in the class list.

What I would beg to propose is that the Government of India should be asked to supply a distribution list of the students *before* they leave the College, the arrangements for the practical course of such of them as may be retained in England could then be framed with reference to the nature of their future respective employments, those destined for the Railway Department being attached to railways or workshops; those for the Irrigation Department to hydraulic works, and so on; while it is presumed that such of them as go to India for their practical course might be dealt with in the same sort of way in that country.

2

This arrangement would involve that the distribution be made more than a year in advance of the time when the young officers will become available for actual work as effective members of a department, and of course the actual wants of the service for additional officers in its different branches cannot be estimated with precision so long before hand. But, having regard to the conditions of the whole service, and to the fact that the proportion between establishments and work is liable to undergo constant derangement from casualties occurring on the one hand and the demand for unexpected new works on the other, any very nice degree of adjustment between the demand and the supply of officers is in fact never practicable. Nor can it matter much whether the establishment of a province, or of the Railway Department, is in excess or deficient by a young Assistant or two, more or less.

The selected candidates for the Indian Civil Service are always finally distributed among the different branches into which that service is divided before they go through their special course of training, that is, nearly three years before they go to India. This is in order that their studies may be specially directed to the languages of the particular part of India where they are to be employed. The arrangement now proposed has a precisely similar end in view; but the needful distribution would not be made so long in advance as in the case of the young Civil Servants.

If this arrangement is approved, it would be very desirable that the distribution list of the present year should reach England by the month of June. The number of students to pass out, supposing that all qualify, will be 39.

In addition to the distribution list of these, there would also be required on the present occasion, and as a special case, a distribution list of the 25 young Engineers who are now going through their practical course in England. This would be required in any case.

These 25 young Assistants are thus distributed:—

|                                    |     |     |     |     |     |     |     |     |   |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|---|
| On railway works                   | ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| On hydraulic works                 | ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| On railway and dock works combined | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| On iron works                      | ... | ... | ... | ... | ... | ... | ... | ... | 4 |
| On mechanical and locomotive works | ... | ... | ... | ... | ... | ... | ... | ... | 6 |

It may, of course, be said, as regards the foregoing proposal, that there are in fact no vacancies in the Public Works Department, and that consequently the distribution list cannot be made out.

Still the young officers must be posted *somewhere*, and what is wanted is that this posting should be made by the Government of India, although, no doubt, it must be more or less arbitrary, and that it should be made a year in advance.

COOPER'S HILL,  
2nd February 1880.

(Signed) GEORGE CHESNEY.

No. 6.  
ORDER THEREON, 7th May 1880, No. 1,102-A W.  
ORDERED that the following reply be sent.  
(Here enter No. 1,102-B W., dated 7th May 1880.)  
(True Extract.)

Major, R.E.,  
Under Secy. to Govt., P.W.D.

Encl. E. C. Shunker.  
Spate Copies

GENERAL  
ESTABLISHMENT.

Gobt. of (1880) Madras.  
PUBLIC WORKS.

Dated May, 7th.

To

Recd.

Recd.

G. O., 7th May 1880, No. 1,102-A W.

MAY.

Dec. 5-6.

Students of the Royal Indian Engineering  
College.—Ordered that the Government of  
India be addressed as to the number of  
required for the Madras Presidency.

1102-1  
3  
We are very busy off at  
present for Assistant Engineers  
and I think it is very probable  
that we could absorb 10  
from the Hill at the end  
of 1880  
It has to be remembered that  
it is injudicious to the interest  
of these young officers if a large  
batched any one year be sent  
to one Presidency and 10 sent  
to another large batch compared  
with our total number of Assistant  
For 2 years (Oct. 77 to Oct. 79)  
none came to Madras  
What would be the number  
be a regular annual number  
proportionate to the total number  
of officers of the department  
It may be sometimes necessary  
to vary the number by one or two  
more or less  
but greater variations should  
be avoided  
It is difficult to say at the present  
moment what number could  
be annually taken but I am  
not sure

Subscribed No. 10 Department

be made to learn more if available

May 27/4/70

1102-A  
A

Of the take over the 6  
have not the data at hand  
for comparing the positions  
of the Assistant Engineers in  
the Presidency with those  
of the same grade in Bengal  
Bombay but it seems to  
me that the promotion here  
has been much slower than  
it should be in order to reach  
the career with entering  
with regard to the distribution  
of those who are under practical  
training I think the migration  
process can be about

1. Trainees in hydraulic works  
2. do in mechanical works  
are deficient in Assistant  
Engineers & in Junior Engineers  
any further leaving mechanical  
knowledge under for the last  
quarter includes some of the  
Cochran & Kristian Deltan  
Assistant Engineers with such  
knowledge would be especially  
valuable - after some time

Subsidiary No. 10 Department

GOVT.  
OF MADRAS.

187

P. W.  
DEPT.

SECRETARY.

Fort St. George, 23 April 1880.

OFFICE NOTE

To W.

It is my object to  
my list on regimen with  
will be; at present we  
have (exclusive of <sup>two</sup> ~~one~~ <sup>Queen</sup>  
on ~~palace~~ <sup>palace</sup>). That  
being that ~~Lyones~~ <sup>Lyones</sup> present  
and ~~there~~ <sup>there</sup> on field

series; our standard  
number according to  
P.O. No 265 ~~is~~ <sup>is</sup> ~~of~~ <sup>of</sup>  
P.O. being ~~that~~ <sup>that</sup> in

It is usually certain  
that the department  
will have to be ~~reformed~~ <sup>reformed</sup>

RE 7/5.

Copy 23.4-80

23/4

into and from

Sublime Department

again before long, and  
I think we would rather  
ask for aid if we for  
"Poor dear little Gracie -"

As to the paintings in  
 down I works on which  
 they have been trained.  
 I think it is a matter  
 of entire indifference.

There is no such thing  
as "perfect training" in  
the sense in which the

Term - used in Col. Mearns's  
views. - Real practical  
training can only be learned  
by practical work, and  
it may safely be said  
that the efficiency of a  
particular officer at  
the age of thirty is

<sup>1102-A</sup>  
<sup>.6</sup>  
 the charge of bridge  
 works or of buildings &  
 not be in the smallest  
 degree dependent upon  
 weather the year from  
 sixteen to twenty in  
 the day (without  
 responsibility of any kind)  
 hydraulic works or railways.

If a young surgeon  
is well grounded in the  
theory of his trade and  
possesses natural intelligence  
he will learn the practical  
part quickly enough, in  
the only way it can be  
learned.

Being he noted that  
even if it were a matter  
of importance how a

Σ. Α. 2874

with used fuel in  
Public Works Department

4. Officer has spent  
 years of so-called  
 practical training, the  
 particular list under con-  
 sideration would not  
 help us much, as none of  
 the twenty seven men  
 therein referred to are  
 being set to study roads  
 or buildings, such as  
 are on big domestic  
 works. The other classes  
 of work have little bearing  
 on our ordinary requirements.

Yours  
 J. S.

E. J. Please note your  
 opinion in this already  
 commenced - I should  
 myself be quite prepared  
 to ask for 10 cashing  
 26/3/80

I am somewhat apprehensive  
 of the danger indicated by  
 Col. H. of crowding &  
 contracting gear. The  
 choice of gear is really  
 a matter of experience. I have had  
 experience of this in the  
 Col. H. I think that  
 inspection of pattern & size  
 of the S. it is in place &  
 ask for S. H. H. H. H.  
 with some S. H. H. H.  
 have got from S. H. H. H.  
 the S. H. H. H. H. H.  
 appears to be getting  
 by the S. H. H. H. H.

I am not sure if I have  
 the S. H. H. H. H. H.  
 the S. H. H. H. H. H.  
 the S. H. H. H. H. H.  
 the S. H. H. H. H. H.  
 the S. H. H. H. H. H.

For Order

I am I of I call for early  
 information as to the number  
 of proposed students of  
 the R. E. College which  
 will be required  
 1st. from those now under  
 practical training here  
 or in England  
 2nd. from those whose  
 practical course will  
 be finished in October  
 1881

As regards the first  
 please see Office note  
 attached

Were the R. E. Officer  
 in service in Afghanistan  
 have now we should have  
 33 Cash. Insurers each  
 of 36. the scale numbers  
 but as in all probability  
 at least 2 of these Officers  
 will reach fresh in

source No. 10 Department

the close of the campaign  
and on some questions  
are certain to occur  
in the Sept 6 or 7 of  
the Q & College men  
at least are now needed  
and I should prefer to  
see 10 or even more on  
divisions as now are  
distributed we are for  
two weeks

The superintendent also  
I think needs something  
in engineering with special  
training in mechanical  
and locomotive works  
I would therefore be in  
constant to ask for  
the next supply being  
in these trained  
on Railway works 1  
on Mechanical works 34  
on iron works 1  
on mechanical &  
locomotive works 34  
Total 10

1102-7  
If 6 only be required  
then it is probable that  
only 3 or 4 will be  
assigned to him  
so that in asking for  
10 we shall probably  
only get 6 or 7 if so  
many

For many reasons it is  
impossible at the present  
moment to say anything  
about the requirements for  
1881 on the whole question  
of the normal Estab.  
The President is now  
under discussion under  
the order of the S of S  
and it is not improbable  
that any considerable increase  
may be made to the  
scale already sent  
up

Att

29/4/80

C A W

102-9  
9

P1  
102-8

It has been  
decided in Council  
to act India  
in the future  
Carpenter Hill man  
was under partial  
training

Imperial as Inspector  
Engineers — 3  
Mechanical — 3

2nd 7

Annals in time  
to be ready in 1881  
to stand over  
Draft  
annals of the

7/5/80

The first of the

much in future  
India & the

Natives through  
first training

If there is no  
training left for  
it to supply

to meet the  
in the demand

from the

areas  
particular

I attach much in relation  
for Southern India to the  
training of natives through  
the providing of a training  
college - If there is no  
sufficient opening left for  
them - then will be no supply -  
I would on no account neglect  
to feed the fire in demand  
for this service from the  
corps

Document accompanying  
Chester's memorandum on dis-  
Assistant Engineers during prac-  
in England.

Secretary to the Govt of Madras  
Public Works Department

All — admit on 2nd  
 2 from this Engineering College —  
 While I quite admit that under  
 present arrangements there is a  
 great engagement of the Secy of State  
 to the Corps his students which  
 is most fully within his authority,  
 yet there are limits to that —  
 If Secy of State admits too many  
 students we cannot take

Nos. 842-53G.

P1  
1102A

then — in taking over an  
 great addition to the number of  
 our needs — for our year —

1102A  
11

R. C. F. O.  
 15

Under Secy. to the Govt. of India

Document accompanying  
 Chesney's memorandum on dis-  
 Assistant Engineers during prac-  
 in England.

Secretary to the Govt. of Madras  
 Public Works Department

Nos. 842-53G.

GOVERNMENT OF INDIA.  
PUBLIC WORKS DEPARTMENT.  
GENERAL.

To

THE GOVERNMENTS OF MADRAS, BOMBAY, BENGAL, NORTH-WESTERN PROVINCES AND OUDH,  
AND PUNJAB, IN THE PUBLIC WORKS DEPARTMENT.  
THE CHIEF COMMISSIONERS, CENTRAL PROVINCES, BRITISH BURMA, AND ASSAM.  
THE RESIDENT, HYDERABAD.  
THE AGENTS TO THE GOVERNOR GENERAL FOR CENTRAL INDIA AND RAJPUTANA.  
THE DIRECTOR GENERAL OF RAILWAYS.

Simla, April 13, 1880.

SIR,

In the distribution of the passed students of the Royal Indian Engineering College among the several provinces and branches, the practice has hitherto been to allow the students their choice, within the numerical limits laid down by the Government of India, according to their standing in the College. The result has been that those trained in Locomotive shops have been posted to Buildings and Roads and so on. To obviate this, the Secretary of State was requested to arrange that their posting might be made to correspond with their training; and the Government of India has been furnished with a memorandum by Colonel Chesney on the subject, of which a copy is enclosed.

2. I am directed to request that the Government of India may be furnished at as early a date as possible with an estimate of the number of the passed students that will be required in *Madrass* as indicated below, distinguishing those required with specialities, such as a knowledge of Hydraulic Engineering, Workshops, &c.:-

- (1) Of those who are now undergoing their course of practical training, whether in England or India. It may be assumed that those now undergoing that course in India will remain at the end of the year as at present posted.
- (2) Of those who will have completed their year of practical training in October 1881.

I have the honor to be,

SIR,

Your most obedient Servant,

*W. S. S. S.*  
Under Secy. to the Govt. of India.

Document accompanying.  
Colonel Chesney's memorandum on distribution of Assistant Engineers during practical course in England.

*842-53G.*

*To The Secretary to Govt. of Madras  
Public Works Department*

GOVERNMENT OF INDIA.  
PUBLIC WORKS DEPARTMENT.

GENERAL.

To

P.W.D.

2517800

No.

Nos. 842-53G.

Dated, Simla, April 13, 1880.

Received

Calls for a list giving the number of Royal Indian Engineering students required during the years 1880 and 1881.

Govt. C. B. Press, Simla.—No. 19, P. W. D.—1440—115.

*Distribution of Assistant Engineers during practical course in England.*

The Government of India suggest that it would be well to modify the arrangement now in force to some extent. Heretofore the passed students have been allowed to choose their province or branch, within the numerical limits reported by the Government of India, according to their standing on passing out of the College. It is suggested that, instead of this, their postings should be made to accord with the character of their practical training, so that, e.g., those trained in workshops may go to the Railway Branch.

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If this arrangement is approved, it would be very desirable that the distribution list of the present year should reach England by the month of June. The number of students to pass out, supposing that all qualify, will be 39.

In addition to the distribution list of these, there would also be required on the present occasion, and as a special case, a distribution list of the 25 young Engineers who are now going through their practical course in England. This would be required in any case.

These 25 young Assistants are thus distributed:—

|                                    |     |     |   |
|------------------------------------|-----|-----|---|
| On railway works                   | ... | ... | 6 |
| On hydraulic works                 | ... | ... | 3 |
| On railway and dock works combined | ... | ... | 4 |
| On iron works                      | ... | ... | 6 |
| On mechanical and locomotive works | ... | ... | 6 |

It may, of course, be said, as regards the foregoing proposal, that there are in fact no vacancies in the Public Works Department, and that consequently the distribution list cannot be made out.

Still the young officers must be posted somewhere; and what is wanted is that this posting should be made by the Government of India, although, no doubt, it must be more or less arbitrary, and that it should be made a year in advance.

COOPER'S HILL;  
The 2nd February 1880.

(Signed) GEORGE CHURCHLY.

110-28  
13

Recd 2.5.80  
Cir 23.4.80. Rtd 3.5.80  
At 23.4.80. Rtd 7/5

P.W.D.  
23 APR 80  
No. 26784

No 1102 A W 77 May/80  
From the Gov India No 842-53  
dated 13 April 80

Referred that the  
following of by  
to be sent 3 <sup>1102-A</sup>  
14

to do

date

No 1102 B W 77 May/80

To be sent

India

Printed  
in

are directed, in  
reply to the  
Secretary's circular  
letter of the 13<sup>th</sup>  
April, 1980, No.  
842-53 of

that in the  
of the students of  
the C.E. College  
who are now undergoing  
their course of practical  
training will be

required in this Presidency,  
 of whom it is desirable  
 that three should  
 have been trained  
 as irrigation ~~engineers~~  
 and three as  
 mechanical engineers.

2. As regards these students  
 who will complete  
 their practical training  
 in October, 1881,  
 I am ~~to~~ say that  
 the Govt. are not  
 yet in a position  
 to state how many  
 will be required.

A.P.

27/5-

*[Signature]*

7/5/80

M. S. Deshpande  
 to India } S. C. Deshpande  
 18/5/80

2/8/80 ✓

2687

Gobl. of (1880) Madras.  
PUBLIC WORKS.

To

Dated

Issued

Recd.

Each

G. O. 7<sup>th</sup> May 1880, No. 1102 Rev  
1102/80.

Nos. 5-6

Addressing as to the  
number of students  
of the M. I. E. College  
required for the  
Madras Bench.

Students of the Royal  
Indian Eng. College.  
Ordered that the  
form be addressed  
as to the number of  
the — required for  
the Madras Bench.