MADRAS RECORD OFFICE.

Government of Madras

PUBLIC (EDUCATION) DEPARTMENT.

G.O. No.

Press
Mis.

Dated 18

Not to be folded or roughly handled.

Fort Saint George, Public Works Consultation of 14*th December* 1858.

Read again letter from the Officiating Chief Engineer, dated 19th October, and recorded in Diary to Consultation, 9th November 1858, No. 2349.

No. 67. Read also the following letter from A. J. ARBUTHNOT, Esq., Director of Public Instruction; to the Acting Secretary to Government, dated 22nd November 1858, No. 1011.

SIR,

Adverting to the Extract Minutes of Consultation in the Department of Public Works under date the 8th Instant, No. 2349, which has been furnished to me by the Principal of the Civil Engineering College, I have the honor to transmit the annexed copy of a report by that Officer on the proposition submitted in the Officiating Chief Engineer's letter of the 19th Ultimo, for the establishment of a Class in Mechanical Engineering under Mr. Flockhart in connexion with the Civil Engineering School.

2. I beg to recommend that the projected class be established, such Machinery being sent to the School as may be considered by the Officiating Chief Engineer's and the Principal to be most suitable for the instruction of the students in those branches of Mechanical Engineering in which it is desirable that they should be instructed.

3. I would suggest that in future all orders of Government relating to the Civil Engineering College, whether in the Public Works Department or in the Public Department, may be sent through my office in order that I may be kept acquainted with all that is done or that is projected in connexion with it.

Report on the plan proposed by Lieutenant-Colonel E. Lawford Officiating Chief Engineer in his letter to Government No. 4680, dated 19th October 1858, prepared in accordance with instructions contained in Extract Minutes Consultation No. 2349 of 8th November 1858.

I quite agree with Colonel Lawford in the desirability of a Mechanical class being formed in the Civil Engineering School, to be instructed by Mr. Flockhart: I consider such training to certain pupils would be of immense importance, and calculated to vastly increase the efficiency of the Department of Public Works: I would beg to propose that the Civil Engineering College be furnished with such Machinery as might tend to elucidate Mr. Flockhart's explanations and this I conceive from the 1st para. of Lieutenant-Colonel Lawford's letter can be at once supplied without putting Government to any further expense.

Civil Engineering College, Madras, 10th November 1858.

(Signed) GEORGE WINSCOM, 2nd Captain,
Principal of the Civil Engineering College.

No. 68. ORDER THEREON, No. 2688; dated 13th December 1858.

Para. 1. In his letter of the 19th October 1858, No. 4680, the Officiating Chief Engineer suggested the formation of a practical Mechanical Class in the Civil Engineering College to be composed partly of Europeans who may come out from England in the Sappers after Apprenticeship in some great Factory, and partly of Apprentices of the Public Works Department, of whom he represented there were 60 in the Department. The instruction of the Class he said would be Superintended by Mr. Flockhart, who would by the terms of his Indenture receive extra remuneration at the rate of 1 Shilling or half a Rupee a day for each Pupil."

2. The object in view appears from Colonel Lawford's letter to be, to maintain at all times a sufficiency of trained workmen on the Public Works Establishment. The Principal of the College to whom the proposition was referred is favorable to the plan, as one well calculated to increase the efficiency of the Department of Public Works; and he suggests that the College should be furnished with such Machinery as might tend to elucidate Mr. Flockhart's explanations. The Director of Public Instruction recommends the formation of the projected Class.

3. The Government think with Colonel Lawford and the Officers who have reported on the subject that the formation of a Class for Mechanical Engineering is very desirable, and

indeed very necessary for the efficiency of the Public Works Department; they are however of opinion that the Class should be limited as well in the number of its Pupils as in the expense to be incurred on their account. The Government have no information before them as to the time which Mr. Flockhart can devote to instruction or as to the number of Pupils to whom he can afford to give his attention, but they are of opinion that the Class should be on a moderate scale. The Officiating Chief Engineer will advise the Government as to the strength of the Class, and report the probable expense of the measure in order that the sanction of the Government of India may be obtained to the same. He will also furnish a list shewing the number, description, and value of the Machinery that will need to be supplied for the use of the Mechanical Class.

(Signed) W. H. BAYLEY,

Acting Secretary to Government.

PUBLIC WORKS DEPARTMENT.

Public.

No. 2688.

Extract from the Minutes of Consultation under date the 13*th December* 1858.

Read again letter from the Officiating Chief Engineer, dated 19th October, and recorded in Diary to Consultation 9th November 1858 No 2349

Read also letter from the Director of Public Instruction,

Transmitting, with the Director's recommendation thereon, copy of a report by the Principal of the Civil Engineering College on the proposition submitted by the Officiating Chief Engineer for the establishment of a Class in Mechanical Engineering under Mr. Flockhart in connection with the Civil Engineering College, and suggesting the necessity of having all future orders of Government relating to that Institution sent through this Office.

(Here enter 22nd November 1858, No. 1011.)

Para. 1. In his letter of the 19th October 1858, No. 4680, the Officiating Chief Engineer suggested the formation of a practical Mechanical Class in the Civil Engineering College to be composed partly of Europeans who may come out from England in the Sappers after Apprenticeship in some great Factory, and partly of Apprentices of the Public Works Department, of whom he represented there were 60 in the Department. The instruction of the Class he said would be Superintended by Mr. Flockhart, who would by the terms of his Indenture receive extra remuneration at the rate of 1 Shilling or half a Rupee a day for each Pupil.

2. The object in view appears from Colonel Lawford's letter to be, to maintain at all times a sufficiency of trained workmen on the Public Works Establishment. The Principal of the College to whom the proposition was referred is favorable to the plan, as one well calculated to increase the efficiency of the Department of Public Works; and he suggests that the College should be furnished with such Machinery as might tend to elucidate Mr. Flockhart's explanations. The Director of Public Instruction recommends the formation of the projected Class.

3. The Government think with Colonel Lawford and the Officers who have reported on the subject that the formation of a Class for Mechanical Engineering is very desirable, and indeed very necessary for the efficiency of the Public Works Department; they are however of opinion that the Class should be limited as well in the number of its Pupils as in the expense to be incurred on their account. The Government have no information before them as to the time which Mr. Flockhart can devote to instruction or as to the number of Pupils to whom he can afford to give his attention, but they are of opinion that the Class should be on a moderate scale. The Officiating Chief Engineer will advise the Government as to the strength of the Class, and report the probable expense of the measure in order that the sanction of the Government of India may be obtained to the same. He will also furnish a list shewing the number, description, and value of the Machinery that will need to be supplied for the use of the Mechanical Class.

(A true Extract.)

Sd/- W. H. Bayley

Acting Secretary to Government.

To the Officiating Chief Engineer.

„ Director of Public Instruction.

Exd. Geo. Foncett.

Report on the plan proposed by
Lieut. Colonel L. Linford C.E.
Chief Engineer in his letter to
Government No 4680 of 4th October
1858 prepared in accordance with
instructions Contained in Extract
Minis. Comm. No 23497 of 8 November 1858

I quite agree with Colonel
Linford in the desirability of a
Mechanical Class being formed
in the Civil Engineering Course to
be instructed by Mr Flockhart –
I consider such Training to certain
pupils would be of immense im-
portance, and Calculated to
vastly increase the efficiency
of the Department of Public Works
I would beg to propose that the
Civil Engineering College be
furnished with such Machinery
as might tend to elucidate
Mr Flockhart's explanations and
this I assume from the 1st para
of Lieut Col: Linford's letter can

be

the advance be applied without
putting Government to any
further Expense. —

I have
the honor
to be Sir
Your most
obedient Servant
Signed / Geo. Thos. Cox.
2nd Regt
Principal Field Engr

(True Copy.)

G. J. Lambert
Director of Public Accounts

No 1011.

Mechanics Inst. 22nd Nov. 1858

Edge of Cutting Plate

Chisel

Sir

I have the honor to transmit herewith
Minutes of Council Meeting
Chairman's Letter to the Secretary
Chief Secretary's Letter
Engineer in Chief's Report
Chief Engineer's Letter
Chief Engineer's Report
Engineer in Chief's Letter
Mr Sharkhart's Letter
Mr Sharkhart's Letter
Mr Sharkhart

the projected class be established,
such Machinery being sent to the
School as may be considered by
the officiating Chief Engineer and
the Director to be most suitable
for the instruction of the students
in those branches of Mechanics &
Engineering in which it is desirable
that they should be instructed. —

3. I would suggest that
in future all orders of Government
relating to the Civil Engineering
College, whether in relation
to Establishments or the Public
Department, may be sent through
my Office in order that I may be
first acquainted with all that
is done or that is projected in
connection with it.

I have the honor to be
Sir
Your most obt Servt

G. J. Cumberland
Lieut Colonel

Officiating Secretary
to Govt
22nd November 58

No. 2688. P.W.D.

Extract from the Minutes of Consultations
Under date the 13th December 1858.

Read again letter
from the Officiating Chief
Engineer dated 19th October
and recorded in Diary to Govt
9th November 1858, No 2349.

Read also letter from
the Director of Public Instruction

Received 22 November 1858 No 1011

Read also letter of the
19th October 1858, No 4680, the Offi-
ciating Chief Engineer suggests
the formation of a practical
Mechanical Class in the Civil
Engineering College to be compo-
sed of Europeans who may
come out from England in
the Sappers after apprenticeship
in

in some great Factorys and partly of apprentices of the Public Works Department of whom he represented there were 60 in the department. The instruction of the class he said would be superintended by Mr Hackhart who would by the terms of his indenture receive extra remuneration at the rate of 1 Shilling or half a rupee a day for each pupil.

2 The object in view appears from Colonel Lawford's letter to be to maintain at all times a sufficiency of thoroughly workmen on the Public Works Establishment. The Principal of the College to whom the proposition was referred is favourable to the plan, provided it will be extended to increase the efficiency of the Department

of Public Works, and suggests that the College should be furnished with such Machinery as might tend to elucidate Mr Hackhart's explanations. The Director of Public Instruction recommends the formation of the proposed class.

3 The Government think with Col Lawford and the Officers who have reported on the subject that the formation of a Class for Mechanical Engineering is very desirable and indeed very necessary to the efficiency of the Public Works Department; they are however of opinion that the Class should be limited as well in the number of its pupils as in the expence to be incurred on their account. The Government have no information before them

Item — As to the time in which Mr Blackhart undertakes construction — As to the number of pupils to whom he can afford to give instruction, but they are of opinion that the Class should be on a moderate scale. The Officiating Chief Engineer will advise the Government as to the strength of the Class, and report the probable expence of the measure, in order that the sanction of the Government of India may be obtained to the same. He will also furnish a list shewing the number, description, and value of the Machinery that will need to be supplied for the use of the Mechanical Class.

W. N. B.

10 Copies to the offg Chief Engr Dispd 14th
2 Do for Mr Blackhart Do

Cons. 2d Nov. 58 N. 2578 26
Publicly — 12 U 122.

Public Works 156 Dept.
D. 6 Cons. 18th December.

12658.

Extract Minute of Cons.
of 13th December 58.

From Genl. Ch. Engineer
2731 — Dec. 58 Calc. 3197
From Do of 12 July 96 No.
1838 Cons. 12th Augt.
Approving of the
formation of a class for
Mechanical Engineering
& requesting to be furnish
ed with certain information
on the subject.

No 67 & 68.