

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

From A. H. GARRETT, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 29th September 1894, No. 1264 G.D.

Referring to your No. I/83 G.D., dated 4th September 1894, I have the honour to inform you that there is only one old fashioned current meter in this circle.

2. I believe that the best meters are now provided with electrical recording apparatus and I request that a couple of these instruments may be obtained for use in the delta.

3. I would submit an indent for two of these instruments, but do not know the name of the makers.

No. 52 W.

Forwarded to the Secretary to Government, Public Works Department.

2. Colonel A. W. Smart, R.E., who has recently proceeded on furlough to Europe, has expressed his willingness to undertake the purchase of suitable current meters for use in this Presidency on condition that he is also allowed to inspect two or three French canals and rivers (the latter with regard to training) at Government expense. It is understood that a new form of sluice valve has been adopted in France within the last few years which may be found useful in this country and a knowledge of the French system of training rivers cannot fail to be of advantage. I have no hesitation therefore in requesting that a recommendation may be made to the Secretary of State for India to grant Colonel Smart permission to inspect a limited number of French canals and rivers according to the usual terms and conditions. Colonel Smart should, however, be requested to lose no time in selecting and purchasing one or two current meters of the type most suitable for use in this country bearing in mind that the greater part of any experiments which will be made will be carried out by subordinates and that therefore the type of current meter selected should be simple, easy to work and not liable to get out of order. Taking Colonel Smart's qualifications into consideration and his long and intimate acquaintance with hydraulic works in this Presidency, I may safely predicate that any expense incurred on his deputation will not be money thrown away.

MADRAS, (Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
12th Nov. 1894. Chief Engineer for Irrigation.

ORDER—dated 17th December 1894, No. 3230 W., Public Works.

His Excellency the Governor in Council approves the proposals of the Chief Engineer for Irrigation and accordingly resolves to request the Secretary of State to sanction Lieut.-Colonel Smart's deputation on duty in Europe under article 104

(1), Civil Service Regulations, to inspect a limited number of French canals and rivers and to select two current meters suitable for use in this country. Lieut.-Colonel Smart's attention will be drawn to the latter part of the endorsement by the Chief Engineer for Irrigation regarding the type of meter to be procured. His duty will be confined to selecting the instruments, as their actual purchase and despatch to this country will devolve on the Stores Department of the India office in accordance with rule 2, page xc, appendix X, volume II, Public Works Code.

2. With the approval of the Secretary of State, Lieut.-Colonel Smart will forward to this Government, through the India office, a copy of his notes of inspection of the French canals and rivers which may be seen by him.

3. The Secretary of State will be requested to intimate in due course the period employed by Lieut.-Colonel Smart on special duty.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.

„ the Superintending Engineer, I Circle.

„ the „ V „

„ the Examiner, Public Works Accounts.

„ Lieut.-Colonel A. W. Smart, R.E., Executive Engineer,
Public Works Department (through India office).

GENERAL.
ESTABLISHMENT.

Gobt. of {1894} Madras.

PUBLIC WORKS.

Dated December, 27th.

Recd.

Encl.

G.O., 17th Dec. 1894, No. 3230 W.

DECEMBER.

Lient.-Colonel A. W. Smart, R.E.,
Executive Engineer

Deputation on duty in Europe of — to
inspect a limited number of French canals
and rivers and to select two current meters
suitable for use on the Gódávári delta
works.

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honorable
the Secretary of State for
India.

No. $\frac{10}{3230}$ W., dated 17th Dec. 1894.

REQUESTING sanction to the deputation on duty
in Europe of Lieut.-Colonel A. W. Smart, R.E.,
Executive Engineer, to inspect a limited number
of French canals and rivers and to select two
current meters suitable for use on the Gódávári
delta works in this Presidency.

FROM

A. H. ...
SUPERINTENDING ENGINEER

I have the honor
Sir

Your most obedt

Yours

Supg Engineer

TO



THE CHIEF ENGINEER

FOR IRRIGATION.

DATED *29/9*
DESPATCHED *29/9*
RECEIVED *29/9*

No. 1264 *RD*

ENCLOSURES,

SUBJECT,

Current metre. States
that there is one old
fashioned — in this
circle & requests that a
couple of best metres
be obtained for use
in the Dellé.

be simple, easy to work and not liable
to get out of order. Taking Colonel
Smart's qualifications into consider-
ation and his long and intimate acquaint-
ance with hydraulic works in this Pre-
sidency, I may safely predicate that any
expense incurred on his deputation will
not be money thrown away.

Quadrant. Buchanan

Colonel. R. E

Chief Engineer for Irrigation.

Madras

12th November 1894.

Col. R.R. Drake ^{Lieut. Col. R. E.}
 Chief Engineer for Irrigation, ^{Buckhead, Ga.}

93 14284 16-2-80
 19.4.93 10 8 15-10-80
 28.9.93 1467 19.9.80
 24.3.93 873 11.9.80
 24.3.73 807 5.9.80
 10.3.93 150 19.8.80
 30.6.91 1780 30.11.87
 3.2.91 314 8.11.87
 13.8.91 2192 29.7.77
 19.3.91 809 30.11.87
 17.3.91 2623.9 30.11.87
 15.11.87 3075 8.11.87

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To
 The Secretary of War
 P. W. 9

No. 52. W.
 Dated 12. 11. 94
 Despatched 14 do
 Received 14. 11. 94

ENCLOSURES. 1

Subject.

Urgent. Mexico - Towards
 from the S.E.I. in the
 fact that a reconno-
 sance may be made
 of state for India
 Col. Sumner R.E. who
 has proceeded on
 to Europe, permission
 a limited number
 of analysts & rivers
 the usual term
 to purchase one
 type most
 in two country

Comm
 16/54
 11/54

1893 1/2

From

Col. R.R. Drake ~~Lieut. Col. R. B.~~
CHIEF ENGINEER FOR IRRIGATION,

To

THE Secretary of war
P. W. D.

No. 52. W

Dated 12-11-54

Despatched/4 *do*

Received 14.11.54

ENCLOSURES

Subject.

Current Metrics - Four
letters from the S.E.I. in
a request that a recom-
mendation may be made
to the Secy of State for
Grant, for Sumit R.R.
to recently proceed
enough to Europe, per-
haps a limited
French Canals &
according to the new
country & to purch-
ase - of the type in-
tended for use in the

W Lt. Col. Smart is a Commissioned Service Officer, is under the Civil Service rules. He draws furlough pay at 1/6 the Rupee -

Fair vote Submitted

26/65

~~48~~

Reputation of Lt. Col
Smart on duty in
Europe

87/19

48 29/11
12 3/12

5/11

Engineer for Irrigation re:
- regarding the type of meter
to be procured. His duty
will be confined to selecting
the instruments, as their
actual purchase and despatch
to this country will devolve
on the Stores Department
of the India office in ac-
- cordance with Rule 2,
page XC, appendix X, Vol
II P. W. Code.

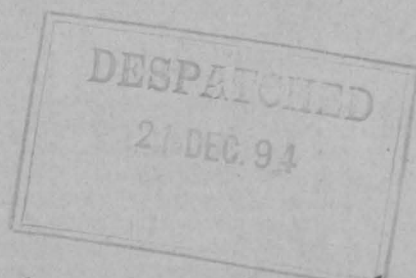
No.
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Des
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the Secretary of State, Lt. Col.
Smart will forward to this
Government, through the
India office, a copy of his
notes of inspection of the
French canals and rivers
which may be seen by him.

3. The Secretary of State
will be requested to intimate
in due course, the period
employed by Lt. Col. Smart
on special duty.

J
4.12

Cr



The Chief Engr. for Irrigation
" Suptg. Engr. I circle
" do — V circle
" Inamunis P. W. Accts.
Lt. Col. A. W. Smart R.E.,
Executive Engineer P. W. D.,
(thru India office).

A.E.

the exact time this duty
will last, but as Lt. Col.
Smart must be allowed
a certain amount of discretion
in the matter, we leave the
period to be decided by
you in communication
with that officer, and
request that the time
occupied may be intimated
to us in due course. We
further request that Lt.
Col. Smart may be direct-
ed to submit a copy
of his notes of inspection
to the India office, for
transmission to us.

2. With regard to the
current ~~measures~~ ^{meters}, Lt. Col.
Smart's duty will be con-
fined to their selection,
while their actual purchase
and despatch to this
country will be left to
the Stores Department of
the India office in ac-
cordance with the rules
for the supply of European
stores. We request that
their

~~Y.S.~~

Print emergent

Definition of
Loc. Col. Mont. on
date in scope

10
Ak 3230w 717.12-9

S.A.W.
E.

10/1/12