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(3) Initials of the Referencer CF

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Despatches to England.

Dep G.O. No.	29	Press Mis.
Dated	17 - 5 - 1860.	

Not to be folded or roughly handled

PUBLIC WORKS DEPARTMENT.

No. 29 of 1860.

TO THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

RIGHT HONORABLE SIR,

1. We transmit a letter from our Chief Engineer, giving cover to one from Captain Haig, District Engineer of the Upper Godavery, with an Estimate of Machinery and other Plant required for the execution of the proposed works of improvement on the River. The Estimate amounts in the aggregate to £7,412-5-9, and is accompanied by a specification and sketch of the Engines, &c., applied for. It is stated to be in addition to an emergent list or indent amounting to £2,694-14-6, which Captain Haig submitted to you when in England, and which was sanctioned by you.

2. Captain Haig states that he made a very small demand on that occasion, partly to avoid the loss of a season by delay in complying with a large indent, and partly because he thought that the execution of the order at the Dowlaishwaram Workshop might help that useful Establishment. But he finds not only that the Workshop has full employment, the difficulty being not want of orders but of skillful Native Artificers, but also that almost the whole of the Tools and Machinery which he requires can be obtained more cheaply from England. Captain Haig's present Estimate is based on the supposition that operations are to be carried on simultaneously at the lower two barriers, viz. the Sinterála and the Enchampilli; and it therefore comprizes larger quantities of Tools, &c., than originally intended, reference being then had to one barrier only. But he argues that supposing funds are available, there can be no question as to the policy of carrying out the contemplated improvements, as rapidly as is consistent with good workmanship and the security of the various structures; and that while it is not his province to say what amount shall be immediately appropriated to these works, it is his duty to recommend a provision for their prosecution on the scale most consistent with efficiency. He states that the works at each barrier will occupy two years, those at Sinterála possibly more, according to the supply of labor; that the earthwork there would employ three thousand men for sixteen months; and that if five and three quarter lacs can be appropriated annually to the works, three hundred miles of the River may be opened for traffic in the third year, if operations are commenced at both points at once.

3. Captain Haig's letter and indent give full particulars not only of the articles required, but of the Makers from whom they may respectively be best obtained, and the prices; this information being the result of Captain Haig's personal enquiry when lately in England. The Estimate includes the usual allowance of five per cent. for packing charges, and £3 per ton for 180 tons for freight.

4. The total amount, (£7,412-5-9,) added to £2,694-14-6, the value of the things already ordered, with an addition of £200, the calculated cost of freight and shipping charges for the latter, makes the total cost of the whole Plant delivered at Madras, or Cocanada, £10,307-0-3 or a little over one lac of Rupees, which was the outlay for Plant included in the Estimate of 29½ lacs for the whole of the works designed by Captain Haig. Both this Officer and the Chief Engineer recommend that the Plant now indented for may be sent out in time for the next working season, and that the several Makers should be instructed to despatch every article as soon as ready.

which

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5. In our Despatch of the 4th April 1860, No. 14, we pressed on your consideration the necessity of making a special grant for the Upper Godavery improvements, and of the importance of taking advantage of the present time, when Captain Haig is available to carry out his own designs: we have now only to support that Officer's requisition for the necessary Plant.

We have the honor to be,

Right Honorable Sir,

Your most obedient humble Servants,

FORT SAINT GEORGE,
17th May 1860.

which

FORT SAINT GEORGE.
PUBLIC WORKS DEPARTMENT.

Letter to the Right Honorable
the Secretary of State for India,
Dated 17th May,
No. 29 of 1860.

Transmit letter from the Chief Engineer giving cover
to one from Captain Haig, District Engineer of the
Upper Godavery, with an Estimate of Machinery
and other Plant required for the execution of the
proposed works of improvement on the River.

No. 29. P. 10. 2. 5+

The Right Honorable the
Secretary of State for
India.

Right Honorable Sir,

31st March 1860 No. 11951, with
enclosures.
Proceedings of Govt. 17th May 1860
No. 1030.

We transmit a
letter from our Chief
Engr., giving cover to one
from Captain Haig, Dist.
Engr. of the Upper Godavery,
with an estimate of ma-
chinery and other plant
required for the execution of the
proposed works of improvement on
the river. The estimate amounts in the
aggregate to ~~the~~ ^{is accompanied by}
£7412-5-9 and a specifi-
cation and sketch of the
engines &c. applied for.
This estimate is stated to
be in addition to an
emergent list or incident
amounting to £2694-14-6
which

W. M.
H. M.

which Captain Haig
submitted to you when
in England, and which
was sanctioned by you.
2. Captain Haig states
that he made a very small
demand on that occasion,
partly to avoid the loss
of a season by delay in
complying with a large
order, and partly be-
cause he thought that
the execution of the
order at the Dowlahwa
same workshop might
help that useful establish-
ment. But he finds not only
that the workshop has
full employment, the
difficulty being not
want of orders but of
skillful native arti-
cers, but also that al-
most the whole of the
tools and machinery
which he requires
can

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can be obtained more
cheaply from England.
Captain Haig's present
estimate is based on the
supposition that opera-
-tions are to be carried
on simultaneously
at ~~both~~ the lower two
barriers, viz the Sinker
-rela and the Conchamillie;
and it therefore con-
-siders larger quantities
of tools &c. than original-
ly intended, reference
being then had to one
barrier only. But he
argues that supposing
funds are available,
there can be no ques-
-tion as to the policy
of carrying out the
contemplated improve-
ments, as rapidly as
is consistent with
good workmanship
and the security of the
various

various structures; and
that while it is not
his province to say
what amount shall
be immediately ap-
propriated to these
works, it is his duty
to recommend a pro-
vision for their prose-
cution on the scale
most consistent with
efficiency. He states
that the works at each
barrier will occupy
two years, those at
Sintarala possibly
more, according to
the supply of labor;
that the earthwork
there would employ
three thousand men
for sixteen months;
and that if five and
three quarter laes
can be appropriated
~~to this project~~ annually to the works,
three hundred miles
of

of the river may be⁹⁺
opened for traffic in the
third year, if opera-

tions are commenced
at both points at once

3. Captain Haig's
letter and indent give
full particulars, not
only of the articles re-
quired, but of the ma-
nners from whom they
may respectively be
best obtained, and the
prices; this information
being the result of
Captain Haig's person-
al enquiry when
lately in England.

The estimate includes
the usual allowance
of five per cent for
packing charges, and
£3 per ton for 180 tons
for freight, and the

4 The total amount, (£7412-
5-9,) added to £2694-14-6
the value of the things
already

already ordered, with
an addition of £200 the
calculated cost of freight
and shipping charges
for the latter, makes the
total cost of the whole
plant delivered at
Madras, or Cocanada,
~~will be~~ £10,304-11-3
or a little over one
lac of rupees, which
was the outlay for
plant included in the
estimate of 29 1/4 lacs
for the whole of the
works designed by
Captain Haig.
Both this officer and
the Chief Eng^r. recom-
mend that the plant
now intended for being
sent out in time
for the next working
season, and that the
several makers should
be instructed to despatch
every

every article as soon as
ready.

5. In our despatch
of the 4th April 1860,
No. 14, we pressed on
your consideration
the necessity of making
a special grant for
the Upper Godavery
improvements, and of
the importance of
taking advantage of
the present time when
Captain Haig is available
to carry out his own de-
signs; we have now only
to support that officer's
requisition for the
necessary plant.

For R. George
17th May 1860

HA

PWD

No 29.

Letter to the Right Honble
The Secretary of State
for India

Dated 17th May 1860.

Right Honble the Secretary of State
via Southampton 23rd May/60

Copy to the Govt of India 23 May
/60

Transmit letter from the
Chief Engineer giving cover to
one from Captain Haig Dis-
trict Engineer of the Upper Go-
ravery with an Estimate of
machinery and other plant
required for the execution of the
proposed works of improvement
on the river.

Ans 21 Aug 1860 L.S.

c 30 April 24 May