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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.

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Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
9th May 1864.*

No. 181. Read the following letter from Captain J. BEAN, R. E., Officiating Superintending Engineer, 6th Division, to Colonel C. A. ORR, R.E., Secretary to Government, Public Works Department, dated Tanjore, 20th April 1864, No. 2,485 :—

SIR,

* No. 826, dated 18th March 1864. 1. In reply to the last paragraph of Government Order as per margin,* regarding the working of the large Steam Dredge at Negapatam, I have the honor to forward copy of a letter from the Agent Great Southern of India Railway, dated 14th instant, in which he offers the services of an Engine Man on liberal terms.

2. The other expenses, however, attendant on working the Dredger appear considerable. From the data obtained on the occasion of the experimental trial of the machinery under Mr. Wait in 1863, including the cost incurred to man three spoil boats, the outlay amounted to Rupees 30-13-8 daily, or Rupees 185-2-0 per week of six days. In this the cost of fuel is included, but as there is coal on hand the outlay approximately may be taken at half this amount, or Rupees 15 per diem, exclusive of the Railway Company's charges for superintendence.

3. I have no suggestion to make as regards the source from which this outlay can be met, unless an entry be made for it in the Estimate of Rupees 40,000 for the Jetty about to be prepared, and the expenditure be charged in the meanwhile to advances re-payable.

From W. S. BETTS, Esq., Agent, Great Southern of India Railway, to the Superintending Engineer, 6th Division, dated Negapatam, 14th April 1864, No. 243.

SIR,

1. I shall be glad, on behalf of the Railway Company, to arrange for one of our Engine men to work the Steam Dredge at Negapatam, upon payment of the fixed wages under which the Engineman works for the Railway Company. I presume all necessary cooly labor, fuel and stores will be found by your Department.

2. We have at present in the service, driving our stationary engine, one of the men formerly employed upon this Dredge, he draws Rupees 30 per mensem, and the Resident Engineer informs me that this man is fully competent to work the Dredge.

3. As work will no doubt be only *occasionally* performed I do not propose to charge the Engine man's whole time to your Department, but will employ him in our shops when he is not working on the Dredge.

4. I wait to hear again from you before making the necessary arrangements.

(True Copy.)

(Signed) J. BEAN, Captain, R. E.,
Officiating Superintending Engineer, 6th Division.

No. 182. ORDER THEREON, 9th May 1864, No. 1,334.

1. With reference to this letter, the Superintending Engineer is requested to accept the obliging offer made by the Agent of the Great Southern of India Railway Company, and to make provision in the Estimate called for on the 18th* March, to cover the cost of occasionally working the Dredge during the year 1864-65.

* G. O. No. 826, paragraph 5.

2. The Governor in Council is of opinion that it is not desirable to attempt to improve the navigation by a constant use of the Dredge. At the same time he considers that a great deal may be effected by employing it occasionally to lower shoals in the river, and to preserve a moderate depth of water over the bar.

*Proceedings of the Madras Government, Public Works Department,
9th May 1864.*

3. The Superintending Engineer is directed to see that careful sections are taken of those parts of the river where he proposes to work the Dredge, in order to be able to report the amount of benefit produced. Permanent bench marks should be left, so that similar sections may be taken after the next monsoon, when the effect will be shown.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 6th Division.
„ Financial Railway Department.

Exd. S. T. Augustin.

N. 2485
Supt. Engrs Office, 6th Division.
Tanjore 20th April 1864

From,
Captain J. Deem RE
Offg. Supt. Engineer 6th Div.
To,
Colonel C. A. Orr RE
Secretary to Government
S. W. D.

Enclosure one

N. 826 dated
13th March 1864

Sir,
In reply to the last paragraph of Government order as per margin⁺ regarding the working of the large Steam Dredge at Nagapattinam, I have the honor to forward copy of a letter from the Agent Great Southern of India Railway dated 14th Instant in which he offers the services of an Engine man on liberal terms.

2 The other expenses, however, attendant on working the Dredger appear considerable. From the data obtained on the occasion of the experimental trial of the Machinery under Mr. Wait in 1863, including the cost incurred to man 3 Spoil boats, the outlay amounted to Rupees 30.13.8, daily, or Rs 185.2.4 per week of 6 days. In this the cost

of

of fuel is included, but as there is
Coal on hand the outlay approximately
may be taken at half this amount,
or Rupees 15 per diem exclusive of the
Railway Company's charges for Superintendence.

3 I have no suggestion to
make as regards the source from which
this outlay can be met, unless an
entry be made for it in the Estimate
of Rupees 40,000 for the Jcty about
to be prepared, and the expenditure
be charged in the meanwhile to
advances repayable.

I have the honor to be

Sir,

Your most obedient servant

Benjamin R. G.

Offgo. Supg. Engineer to D.

1331 Public Works Department
 Madras Government
 under date of the 9th May 1864
 Read the following letter

From the Sup^r Engr. 6th Dec
 Forwarding copy of a letter from the
 Agent Great Southern of India Railway
 regarding the working of the large Dredge
 at Negapatam and remarking on the
 expenses to be incurred in doing so

H.E. 20th April 1864 No 2485

With reference to
 this letter, the Sup^r
 Engineer is requested
 to accept the obliging
 offer made by the Agent
 of the Great Southern of
 India Railway Company
 and to make provision
 in the estimate called
 for on the 18th March,
 for ~~expenses~~ to cover the
 cost of occasionally
 working the dredge
 during the years 1864-65.
 The Governor in
 Council is of opinion
 that it is not desirable
 to attempt to improve
 the navigation by a
 constant use of the
 dredge. At the

G.O. No 826.
 para 5.

The Sup^r Engineer should be
 directed to take careful sections
 of the part of the River where he
 proposes to work the Dredge in
 order to be able to report the
 amount of benefit produced
 permanent. Panel marks
 should be left so that similar
 sections may be taken after
 the next monsoon when
 the effect will be shown

[Signature]

18th Dec 1864 1864
 438-439

PIC 1864
 7th Dec 1864
 1800

The Sup^r Engineer
 6th Dec

The Secretary to Govt
 20th Dec

20th Dec 1864
 No 2485

Enclosure one

Forwarding copy of a letter
 from the Agent Great
 Southern of India Railway regard-
 ing the working of the large
 Dredge at Negapatam
 and remarking on the
 expenses to be incurred
 in doing so
 1331-95 May 1864

1864

1864

Same time he
considers that a great
deal may be effected
by employing it
occasionally to lower
the ^{in the river} shoals, & to preserve
a moderate depth of
water over the bar.

W.B.

The Superintending
Engineer is directed to
see that careful sections
are taken of those parts
of the river where he
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dredge, in order to be
able to report the
amount of benefit
produced. Permanent
bench marks should be
left, so that similar
sections may be taken
after the next monsoon,
when the effect will be
shown.

To the S.E. Dir
To the Civil Dept.

56
Dated 10th May -

1st May 1864
No. of ~~Goods~~ ~~Goods~~
No. of ~~Goods~~ ~~Goods~~
No. of ~~Goods~~ ~~Goods~~

1st May 1864

1st May 1864

1st May 1864

Requested to accept the
offer made by the Agent of
the Great Southern of India
Railway Company for the
use of the services of an engine
main to work the steam
bridge at Chagapattam
Singer District.

1st May 1864