M.R.O. 1—77,006—8-6-37.

(1) Number of pages 14

(2) Date of repair 28. 3. 47

(3) Initials of the Referencer

# MADRAS RECORD OFFICE.

## Government of Madras.

Public works DEPARTMENT.

G.O. No. 648-49 Press / Mis.
48-47

Dated 2 3 1867.

***Not to be folded or roughly handled***

No. 45. Read the following letter from the Officiating Superintending Engineer, 8th Division, to the Secretary to Government, Department Public Works, dated Madura, 21st February 1867, No. 1,998 :—

1. With reference to G. O. No. 3,607 of the 14th November 1866, I have the honor to forward drawings of the two Hand Dredges, Nos. 1 and 2, in use at the Paumben channel.

Enclosure 1.
1 Plan sent separately.

2. The cost of working Dredge No. 1 for one month in 1865-66, is found to have been—

| | RS. | A. | P. |
|---|---|---|---|
| 1 Syrang on salary of ... ... ... ... ... ... | 14 | 0 | 0 |
| 1 Cooly for canoe, and 3 coolies for each of the 2 mud boats, or 7 coolies for 20 days at 4 Annas. | 35 | 0 | 0 |
| 41 Convicts for 20 days at 2 Annas 8 Pice, computed value of labor per day per man ... ... ... | 136 | 10 | 8 |
| 4 Measures cocoanut oil for machinery at Rs. 1-2-0. | 4 | 8 | 0 |
| Current repairs for dredges, mud boats, and canoe... | 15 | 0 | 0 |
| Share of Workshop establishment chargeable on average ... ... ... ... ... ... ... ... ... | 19 | 14 | 0 |
| Total ... | 225 | 0 | 8 |

The cost of working the same Hand Dredge in 1866-67, has been—

| | | | |
|---|---|---|---|
| The four first items as above .... ... ... ... ... | 190 | 2 | 8 |
| Current repairs ... ... ... ... ... ... ... ... | 81 | 0 | 0 |
| Share of Workshop establishment ... ... ... ... | 25 | 0 | 0 |
| Total ... | 296 | 2 | 8 |

The cost of working Hand Dredge No. 2 has been in 1866-67—

| | | | |
|---|---|---|---|
| 1 Syrang on ... ... ... ... ... ... ... ... | 14 | 0 | 0 |
| 1 Cooly for canoe, and 4 coolies for each of 2 mud boats, or 9 coolies for 20 days at 4 Annas ... | 45 | 0 | 0 |
| Convict labor as above ... ... ... ... ... ... | 136 | 10 | 8 |
| Oil ... ... ... ... ... ... ... ... ... ... | 4 | 8 | 0 |
| Current repairs... ... ... ... ... ... ... ... | 30 | 0 | 0 |
| Share of establishment ... ... ... ... ... ... | 27 | 0 | 0 |
| Total ... | 257 | 2 | 8 |

The work done by Hand Dredge No. 1 has been on average 16,000 cubic feet of sand in a month, and 13,800 cubic feet of stone and sand. Hence, for the year 1865-66, the cost of removing a cubic yard of sand has been 6 Annas, and in the next year 8 Annas; general average 7 Annas.

The cost of removing stone and sand in 1865-66 was 7 Annas, and in the next year 9 Annas 3 Pice; general average 8 Annas 1½ Pice. The work done by Dredge No. 2 has been on average 16,800 cubic feet per month, and the cost of removing a cubic yard, 6 Annas 7 Pice.

Carried

3. The charges for repairs vary a good deal; the share of the Workshop establishment is computed, as that proportion of the total Workshop's charge, that the expenditure on one dredge bears to the general expenditure at the Paumben works. No charge has been shown on account of the Engineer establishment: last year there was an Engineer Officer employed at Paumben, and this year there is an Overseer. The value of the labor of a convict is set down at 2 Annas 8 Pice, being at the rate of two-thirds the pay of a free laborer, 4 Annas. Two more coolies are employed on the Dredge No. 2 than on the other; the reason of this is, that the boats used with the former are larger, and each requires an additional cooly to work them.

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No. 46. ORDER THEREON, 2nd March 1867, No. 648.

CIVIL WORKS, No. 8.

Ordered that the following letter be sent:—

(Here enter No. 649, dated 2nd March 1867.)

(True Extract.)

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

Exd. J. Tulloch.

PUBLIC WORKS DEPARTMENT.
FORT SAINT GEORGE,
*2nd March* 1867.

No. 649.

No. 47.
To

THE COLONIAL SECRETARY,
COLOMBO.

SIR,

CIVIL WORKS, No. 9.

With reference to your letter of the 3rd November last, No. 40, I am directed to forward herewith a letter from the Officiating Superintending Engineer of the 8th Division, forwarding drawings of the Hand Dredges which are in use at the Paumben channel, and furnishing information of the cost of the work executed by them.

I have the honor to be,
Sir,
Your most obedient servant,

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

Exd. J. Tulloch.

No 1998 Office of the Engineers &c
Madras 21st July 1865

From
Captain H. S. Sandeman R.E.
Officiating Engineer
Ist Division

To
Colonel C. A. Crommelin R.E.
Secretary to Government P.W.D.

Sir,

With reference to G.O. No 3607
of the 14th November 1865, I have the
honor to forward drawings of the 2
Mud dredgers No 1 and 2 in use at
the Pennaur Anicut.

2. The Cost of working dredger
No 1 for 1 month in 1863-64, is found
to have been —

| | | | |
|---|---|---|---|
| 1 | Serang on salary of | 11 | — — |
| 1 | Cooly for Engel and 3 Coolies for bail of the 2 Mud Boats or 4 Coolies for 20 days at 1 As | 35 | — — |
| 11 | Coolies for 20 days at 2 As 8 from Comparative value of labor per day per man | 136 | — 10 — 8 |
| 1 | Mandoor Account Oil for grass lamps at Rs 1 2 0 | 4 | — 8 — |

Cooly 1 Blacksmith not separately

Carried

Current repairs for dredges
Mud boats and Cables — 15 — " — "
Share of Workshop Establishment Charges &c on average — 19 — 11 — "
Rs. 225 — 0 — 8.

The Cost of working the steam Hand dredge in 1866.67 has been: —

The four foregoing items are above — 190 — 2 — 8
Current repairs — 81
Share of workshop Establishment — 25
Rs — 296 — 2 — 8.

The Cost of working Hand dredge No 2 has been in 1866.67.

1. Syrang on — Rs 14 — " — "
1 Coolly for Cane and 4 Coolies for cast of mud boats on 9 Coolies for 20 days @ 4 Annas — 4 5 — " — "
Convict labor as above — 36 — 10 — 8
Oil — 1 — 8 — "
Current repairs — 30 — " — "
Share of Establishment — 27 — " — "
Rupees — 253 — 2 — 8.

The work done by Hand dredge No 1 has been on average 16,000 Cubic feet of sand in a month.

And 13,800 Cubic feet of stone and sand.

Hence for the year 1865.66. the Cost of removing 30 Cubic yard of sand have been 6 Annas, and in the next year 8 annas general average, 7 Annas.

The Cost of removing stone and sand in 1865/66 was 7 annas and in the next year, 9 Annas 3 pice-general average, 8 Annas 1½ pice. The work done by Dredge No 2, has been on average 16,800 Cubic feet per month, and the Cost of removing a Cubic yard, 6 Annas 7 pice. —

3. The Charges for repairs, varies a good deal; the share of the workshop establishment is computed, on that proportion of the total workshop's Charges, that the expenditure on one dredge bears to the general expenditure at the Paumben works. No charge has been shown on account of the Engineer establishment: last year there was an Engineer Officer employed at Paumben, and this year there is an Overseer. The value of the labor of a Convict is set down at 2 Annas 8 pice, being at the rate of ⅔rds the pay of a free Labourer, 3 Annas. Two more Coolies are employed on the Dredge No 2 than on the other. the reason of this is that the boats

boats used with the former are larger, and each requires an additional Crew to work them.

I have &c.

Hon.ble Secretary Captain R.E.
Offr. in charge Engineer
Dept. Canada

Encl. to

=11

Public Works Department.

648

No 648

**PROCEEDINGS of the MADRAS GOVERNMENT.**

under date the 2d March 67

Read the following

From the Offg: Supy: Engineer
of the 8th Divn — (Here enter No. 1998 dated 21st Feb 67)

Ordered that the follow-
ing letter be sent:-

N. E. No dy

No 649 — 649

The Colonial Secretary
Colombo

Sir.

With reference to your letter of the 3rd November last No 0, I am directed to forward herewith a letter from the Offg Superintending Engineer of the 8th Dn, forwarding drawings of the Hand dredges which are in use at the Paumben Channel, and furnishing information

Rec'd 27th Feby 1867 No. 285

No 45

Rec'd 21st Feby 1867
Read 25th "

Encl. to Govt. for March
No. 1998
No 669
From
Off. Supt. Engr
8th Division
To
Chief Sec. to Govt
Offg

Dated 21st Feby 1867
Rec'd 25th "

Encl. are
1 Plan of Paumben
Forwarding drawings
of the 2 Hand Dredges
No 1 and 2 in use at
the Paumben Channel
and giving the Cost of
erecting them.

No 649
No 648 2d March 67

if the cost of the work
executed by them. —

(14)

Fort St George
2nd March 1675

Desp 4/3/67
Mem Desp 17/3/67

R. 27th Feb 1670 Oct. 28th

M.R.O. 1—77,006—8-6-37.

Pub: Works 1867 Department

Pro: of Govt for March

№ 648 & 649

Pro: of the Madras Govt.

Dt 2d March 1867

Passing orders on a letter from the Supt Engr. of the 8th Division, forwarding drawings of Hind... Dredges Nos 1 and 2, at the Paumben Channel and furnishing information of the cost of the work executed by them.

№ 645-46-& 47