

(1) Number of pages _____

(2) Date of receipt _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.GO. No. *1039*Press
Mr.Dated *17-10-57*Not to be folded or roughly handled

No. 514V

From

THE SUPERINTENDENT,

MADRAS HARBOUR WORKS.

To

Colonel G. A. Ford, R. E.

Secretary to Government P. W. D.

Buildings & Roads Branch.

MADRAS, 7th October 1877.

Sir,

With reference to my letter, No. 514V, dated
1st instant, I have the honor to forward a
statement showing the expenditure on these
works to the end of the month of September
1877.

I have the honour to be,

Sir,

Your most obedient servant

J. H. W. S. S. S.

Superintendent.

MADRAS HARBOUR WORKS.

Roads & Buildings
From the Superintendent
Madras Harbour Works

Recorded
207

4017: 606/11/15/16

G.O. 22nd Sept. 1877 17-765-W

No 57 W
Dated 9th October 1877

No of Enclosures 1

I have the honor to acknowledge the receipt of your letter of the 21st inst. in relation to the above subject. The same has been forwarded to the proper authorities for their consideration. I am, Sir, very respectfully,
Yours obedient servant,
Supt. M. H. Works

Supt. M. H. Works
E. P. W. R.

Expenditure
Towards statement showing
for September 1877.

with order.

Outlay on the Madras Harbour Works up to 30th September 1877.

Cost for Cost for Total Cost
August 1877 September 1877

Estimate &c

Preliminary Works

Reclaimed Survey	106 2 3	112 4 1	3,174 6 2	
Marine Survey	47 7 3	6129 12 3	10,578 6 6	13,692 12 8 } 5000
Reclamation				
Light & Signal Station			13,819 6 8	
Ships			39,335 9 5	24,295 2 4 } 15000
Formations	5645 10 5	4131 1	65,399 13 1	
Quarries	17 8	3	2153 15	2153 15 } 10000
Preparing Block Ground	6241 11 6	1239 12 6	40,860 13 1	40,860 13 1 } 65000
Gravel for Shipping Rubble Stone				45000
Land				30000

Construction of Piers

North Pier

Surf Bunk	113 4 2	20	17487 2	17487 2	237180
Rubble Base	9302 6 11	1356	4	36,680 12 9	36,680 12 9 } 4,82,680
Extra Rubble for bank of road				1740 5 10	1740 5 10 } 10000
Concrete Block					

Marking	20,122 5 6	13,219 3 11	13,7197 11 5	13,7197 11 5	10000
Setting	1704 11 11	13,541 2 2	14,996 7 1	14,996 7 1	300500
Lighthouse					30000

Buildings	2,801 7 8	3425 6 6	50878 11 11	50878 11 11 } 95000
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South Pier

Surf Banks	16495	5	7102 15 3	52172	5 5	52172	5 5	237180
(a) Rubble Base	801	2 3	525	14319	2	14319	2	482680
Extra Rubble for bank of road								100000
Concrete Blocks								

Marking				59 4	59 4 } 10000
Setting				242 12 1	242 12 1 } 300500

Lighthouse Plant

Locomotive Engines	240 11 2	144 11 6	40,210 3 2	40,210 3 2 } 60000
Rolling Stock	21 15		11,631 12 7	11,631 12 7 } 35000
Shedding Plant			13,295 4	13,295 4 } 45000
Machinery	1,534 5 2	55 14 8 6	24,517 8 9	24,517 8 9 } 125000
Quarry and General Work	295 13 5	1533 10 4	21,752 13 3	21,752 13 3 } 50000
Quarry and Materials			651 15 7	651 15 7 } 3000
Office Furniture	11 13	540 2 1	2553 1 10	2553 1 10 } 200

Carried Over 103088 7 13552 16 5 1265627 9 1265627 9

[illegible]

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education for

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Office Washington

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Pennell - Alford

241 4 6 544 153 17991 45 19357 4 - 245690

Theresa C.

1000

Concluding review of the Conclusions of the

Notes of Daniel Smith to Mrs. Lindgrens. 374.55 389.31 N. 602.1511

Wetland — *both*

1940's
1865-9

11/11/11

10708211 11 47651 12 6 1791652 55 1347652 55
230112 10 2201 12 11 2201 12 11

230112	12	10	230113	13	10
230114	14	10	230115	15	10
230116	16	10	230117	17	10
230118	18	10	230119	19	10
230120	20	10	230121	21	10
230122	22	10	230123	23	10
230124	24	10	230125	25	10
230126	26	10	230127	27	10
230128	28	10	230129	29	10
230130	30	10	230131	31	10

1892 82 11 40/65 1 4 1399756 2 3 1399756 2 3

3/4

(a) For current expenses on steam, oil, &c. as well as work done by Manila trade and for the quantity at Manila then used for depositing in the sea.

1892

William F. Cook.
Joseph. M. Brown. Daniel Hartley.

No 10848

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17th Dec 1877.

Read the following :—

From the Superintendent, } M. E. N^o 51 W d 9 October
Madras Harbour Works } 1877.

His Grace the Governor in Council remarks that the expenditure on "Railways" and "Machinery", the bulk of which has apparently been incurred at home, has already greatly exceeded the estimate. Explanation of the cause of excess should be afforded.

Explanation of excess should invariably be given on the statements themselves opposite the items to which they refer.

The current expenses

Cost for fuel for boats

of the Steam Boppers
have, it is observed,
been charged to "Kauai
Base" under North and
South Piers. Seeing
that the barges have
not been used in the
work, the incidence of
the charge is wrong
in principle. The cur-
rent expenses should
be added to the cost
of the vessels under
"Floating Plant" when
they are unemployed.

EX-161
110

709923

Sept. 11, 1877. Madras
PUBLIC WORKS.



Harbours.

Encl.

Encl.

Encl.

Oct. 1/1877. No. 10894

Nov. 1/1877

Madras Harbours Works
Orders in Statement of
Expenditure in the — for
September 1877

25.10.77

Dec 10-10-77