Archives I 10,006—16-8 77.

(1) Number of pages 34

(2) Date of repair 4/87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No. B.P. No.	1720 w	Press. Mis.
Dated	8-7-1882 ~~19~~.	

Not to be folded or roughly handled

A. Mani

8TH JULY 1882, No. 1720 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 57.

READ—the following papers :—

From D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 16th June 1882, No. 45 W.

I have the honor to forward, in original, the statement of expenditure (with four accompaniments connected therewith) on the Harbour Works to 30th April 1882, compared with the estimate, and to state that the same has been duly verified by this office.

2. In their letter, No. 204 A.G., of the 12th ultimo (*vide* G.O., No. 1329, of the 29th idem), the Government of India have ruled that the expenditure incurred against the grant of Rs. 2,00,000 (which is the only allotment for the Harbour Works during the year up to date) must be strictly confined to "block-making," "quarrying," and establishment charges, and I have therefore the honor to invite attention to the charges incurred on Items 9, 12, 13, 16, 23 of comparative statement, also on moorings and repairs to moorings.

No. 1291 C.

Referred to the Superintendent, Madras Harbour Works, for remarks.

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Government, P.W.D.

23rd June 1882.

No. 57-A.

From N. ST. B. BEARDMORE, Esq., C.E., Acting Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 30th June 1882, No. 19 W.

I have the honor to address you in reference to G.O., No. 1329 W., of 29th May 1882. That order refers to another No. 1022 W. of the 26th April 1882, in which two lakhs of rupees is sanctioned for block-making, quarrying, and establishment charges for 1882-83. A letter from the Examiner, dated 16th June 1882, No. 45 W., in which he calls attention to my having spent money on other divisions of the works than those above named, is also referred to me by you for remarks. I apprehend that the terms block-making, quarrying, &c., are not intended to be strictly adhered to, but to cover incidental expenses, and have been employed in order to convey instructions that no blocks are to be set, or the reconstruction of the piers commenced. For instance, one cannot make any blocks before a number of block moulds are re-made, the stationary engines and machinery entirely overhauled and repaired, at least one locomotive engine repaired, and at least two gauntry travelling cranes rebuilt, though the reconstruction of two other gauntry cranes will have to be taken in hand before more blocks can be made after the first set have been completed, *i.e.*, the block ground over which the second two gauntries span is now nearly filled with blocks, so their reconstruction is not immediately required.

2. All the above and many other smaller subjects of expense, such as relaying railways and general tools, are not strictly block-making, though incidental to it, and block-making cannot be carried on except expenditure on the above is first incurred.

3. I understand from G.O., No. 698 W., of 17th March 1882, and Mr. Parkes read it in the same way, that the extension of the stone revetment for the protection of the beach at Ráyapuram was sanctioned, though it does not appear that any special sum of money has been awarded for the work; still, especially as it was ordered before the close of the last financial year, I thought I was justified in commencing and in continuing the work pending negative orders. It would be most unwise to stop these works now, for the sea might encroach during a heavy swell or storm and destroy all the work that has been done since March. I have already given my opinion in reply to your memorandum, No. 189 E., of 2nd instant, that it is advisable to spend this year Rs. 23,700, *i.e.*, the whole sum of the estimate for the revetment, less the cost put down by Mr. Parkes for maintenance.

4. Works on moorings or repairs to moorings have been in hand since the storm of November 1881, and as I had received no orders to stop these, they likewise have been continued. It would be unwise to stop them now, for moorings are required in the Harbour more than anything else. Another cause of expense connected with moorings is dismantling the wrecks of the foundered hopper barges. The repairs to moorings have been chiefly in repairing the engine and in recovering lost chains, &c.

5. The repairs to rubble base north pier met with Mr. Parkes' approval. They consisted in filling up the scour in the base on the north side of the pier at the end of the intact portions. They are now finished. I was anxious to get the work done before the south-west monsoon set in, as otherwise I feared, if any heavy seas struck the pier, the top courses of two or three hundred feet at the end might be toppled over.

6. The repairs of sea damage north pier were commenced by Mr. Thorowgood in January, and I have only continued them. They consist of levelling off the top with concrete, putting in iron ties recommended by Mr. Parkes in paragraph 34 of his report, relaying the railway lines, and partly in recovering by divers the rails and sleepers, &c., washed off in the storm. No blocks can be set unless the railway lines are relaid, and it is necessary to relay them at once, so that the concrete may set hard before any heavy traffic passes across them, or the new concrete topping and setting for the sleepers would be chipped and broken off. A great length of this railway in fact was required to be relaid before blocks could be made, as it is part of the road from the south pier for stone.

7. The repairs to the south pier have consisted in recovering rails and sleepers washed off the pier; but I also propose to level up the top with concrete and relay the lines of railway there for work. Other small items, such as the pay of the sailors, and repair of survey boats, cost of surveys, &c., all of which are absolutely necessary, are generally charged to north and south piers.

8. I may mention that I think two lakhs of rupees will not be sufficient for making blocks for the year. After all the machinery and engines are put in repair, it will cost Rs. 1,62,000 to make the thousand blocks for which there is room in the yards before one block is taken out to be set, but then this sum includes the cement; the cost of that amount of which that comes from England, I believe, is not to be taken out of the two lakhs of rupees.

9. I have to remark that the Examiner of Public Works Accounts has struck out of the estimate column of my statement of expenditure Rs. 74,000, being sum paid to Madras Railway Company for depreciation of rolling stock. I had entered that at Mr. Parkes's desire, as he argued that, as it was a quite unexpected extra sum

ordered by Government to be paid, it should appear in the estimate column as well as in the expenditure column. I have to request that you will support my action in this matter, and direct that it be not struck out again.

No. 58.

Order—dated 8th July 1882, No. 1720 W., Public Works.

The Right Honorable the Governor in Council agrees with the Acting Superintendent of the Madras Harbour Works that the assignment of two lakhs is intended to cover all incidental expenses connected with block-making, quarrying, &c., such as those specified in paragraphs 1 and 2 of his letter above recorded.

2. Adverting to paragraph 3, it is observed that the extension of the north revetment is essential and must be proceeded with; but till the decision of the Government of India as to the incidence of the charge has been communicated, the cost must be borne by Provincial as a provisional arrangement.

3. Similarly the cost of work in connection with the moorings will have to be met from Provincial as a temporary arrangement.

4. The repair of the rubble base as specified in paragraphs 5, 6, and 7 must also be proceeded with; but Mr. Beardmore should, as far as possible, restrict expenditure to work required exclusively for the restoration of the broken piers on Mr. Parkes's plan till orders have been received from the Secretary of State as to the nature of future operations.

5. No immediate orders are required on paragraph 8.

6. As regards paragraph 9, the Examiner seems to have acted correctly in striking out of the estimate the sum of Rs. 74,000 paid to the Madras Railway for depreciation of rolling stock. The amount will, however, be debited to its proper head in the accounts, with such explanation appended as may be necessary.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintendent, Madras Harbour Works.
" Examiner of Public Works Accounts.

Exd. A. F. Goodall.
Spare Copies

BUILGINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated July, 8th.

Recd. *Encl.*

G.O., 8th July 1882, No. 1720 W.

JULY.
Nos. 57-58.

Madras Harbour Works.

Orders regarding the expenditure of the additional grant of two lakhs in 1882-83; and the Superintendent directed to restrict expenditure to the works required exclusively for the restoration of the broken piers on Mr. Parkes's plan.

From,
The Examiner P.W. Accounts,
Madras.

To,
The Secretary to Government,
Public Works Department.

No. 1,5 W. Madras, 16th June 1882.

Sir,

I have the honor to forward in original the Statement of Expenditure (with four accompaniments connected therewith) on the Harbor Works to 30th. April 1882 compared with the Estimate and to state that the same has been duly verified by this office.

2. In their letter No. 204 A.G. of the 12th. Ultimo, (vide G.O. No. 1329 of the 29th. idem) the Government of India have ruled that the expenditure incurred against the grant of Rs. 2,00,000 (which is the only allotment for the Harbor Works during the year up to date) must be strictly confined to "Blockmaking", "Quarrying", and Establishment charges, and I have therefore the honor to invite attention to the charges incurred on items 9, 12, 13, 16, 23 of Comparative Statement, also on Moorings, and repairs to Moorings.

I have the honor to be,
Sir,
Your Most Obedient Servant.

Examiner P.W. Accounts.

G.O. 1329 W - 29-5-82.

P 2

No 1291 C d/23/6/82.

Answer on the above

Referred to the Suptt: Madras Harbour Works for remarks.

R H Sankey
Colonel R.E.
Secy. to Govt. P.W.D.

~~[illegible]~~
P.W / 84.6
4320

From,

The Examiner P.W. Accounts,
Madras.

To,

The Secretary to Government,
P.W. Department.

No. 45 W.

No 1291 C d/23/6/82

Dated 16th June 1882.
Recd. 17th

MADRAS HARBOUR WORKS
14
82

Enclos. 5.

Statement of expenditure on the Madras Harbor Works to 30th. April 1882 compared with Estimate. Forwards--------

O.L. 49-6-
only 19/6 Re 23/6

Referred

W

P 3

No. 19 W

FROM

THE ACTING SUPERINTENDENT,
MADRAS HARBOUR WORKS,

To Colonel R. H. Sankey, C.B. R.E.
Secretary to Government, P.W.D.
Buildings & Roads

MADRAS, June 30th 1882

Sir,

I have the honor to address you in reference to G.O. No 1329 W of 29th May 1882. That order refers to another No 1022 W of 26th April 1882 in which two Lakhs of Rupees is sanctioned for Blockmaking Quarrying and Establishment charges for 1882-83. A Letter from the Examiner dated 16th June 1882 in which he calls attention to my having spent money on other divisions of the works than those above named is also referred to me by you for remarks. No. 45 W. I apprehend that the terms blockmaking, quarrying &c. are not intended to be strictly adhered to, but to cover

incidental

incidental expenses," and have been employed in order to convey instructions, that no blocks are to be set, or the reconstruction of the Piers commenced. For instance one cannot make any blocks before a number of Block moulds are remade, the Stationary engines and machinery entirely overhauled and repaired, at least one Locomotive Engine repaired and at least two gauntry travelling cranes rebuilt, though the reconstruction of two other gauntry cranes will have to be taken in hand before more blocks can be made after the first set have been completed, i.e. the Block ground over which the second two gauntries span is now nearly filled with blocks, so their reconstruction is not immediately required.—

2) All the above and many other

smaller

smaller subjects of expense such as relaying Railways and General tools, are not strictly Blockmaking though incidental to it and Blockmaking cannot be carried on except expenditure on the above is first incurred—

(3) I understand from G.O. 698 W. of 17th March 1882, and Mr. Parkes read it in the same way, that the extension of the stone revetment for the Protection of the Beach at Royapooram was sanctioned, though it does not appear that any special sum of money has been awarded for the work, still especially as it was ordered before the close of the last Financial Year I thought I was justified in commencing and in continuing the work pending negative orders. It would be most unwise to stop these works now for the sea might encroach

during

during a heavy swell or storm and destroy all the work that has been done since March. I have already given my opinion in reply to your Memo: 189E. of 2nd instant that it is advisable to spend this year Rs 23700 i.e. the whole sum of the Estimate for the Revetment, less the cost put down by Mr. Parkes for maintenance.—

Works on Moorings or Repairs to (4) Moorings have been in hand since the storm of November 1881 and as I had received no Orders to stop these they likewise have been continued.— It would be unwise to stop them now for moorings are required in the Harbour more than anything else. Another cause of expense connected with moorings is dismantling the wrecks of the foundered Hopper barges. The repairs to moorings have been chiefly in repairing the Engine

and

and in recovering lost chains &ca.

(5) The repairs to Rubble Base North Pier met with Mr. Parkes approval. They consisted in filling up the scour in the base on the North side of the Pier at the end of the intact portion. They are now finished. I was anxious to get the work done before the South West monsoon set in, as otherwise I feared if any heavy seas struck the Pier the top courses of two or three hundred feet at the end might be toppled over.

(6) The repairs of sea damage North Pier were commenced by Mr. Thorowgood in January and I have only continued them. They consist of levelling off the top with concrete, putting in Iron ties recommended by Mr. Parkes in

para:

para: 34 of his report, relaying the
Railway Lines and partly in recovering
by divers the Rails and Sleepers
&c washed off in the storm. No
blocks can be set unless the Railway
lines are relaid and it is necessary
to relay them at once, so that the
concrete may set hard before any
heavy traffic passes across them, or
the new concrete topping and setting
for the sleepers would be chipped
and broken off. A great length of
this Railway in fact was required
to be relaid before blocks could be
made as it is part of the road
from the South Pier for stone. // The (7
repairs to the South Pier have consisted
in recovering rails and sleepers
washed off the Pier; but I also propose
to level up the top with concrete and
and relay the Lines of Railway
there

there for work. Other small items,
such as the pay of the sailors, and
repair of survey boats, cost of surveys,
&c all of which are absolutely necessary
are generally charged to North and
(8) South Piers // I may mention that I
think two Lakhs of rupees will not
be sufficient for making blocks for
the year. After all the machinery
and engines are put in repair
it will cost Rs 16,000 to make the
thousand blocks for which there is
room in the yards before one block
is taken out to be set, but then this
sum includes the cement, the cost
of that amount of which that
comes from England, I believe
is not to be taken out of the two
Lakhs of rupees.

(9) I have to remark that the
Examiner of Public Works Accounts
has struck out of the Estimate
column

column of my Statement of Expenditure Rs 74,000 being sum paid to Madras Railway Company for Depreciation of Rolling stock. I had entered that at Mr. Parkes desire, as he argued, that as it was a quite unexpected extra sum, ordered by Government to be paid, it should appear in the Estimate column as well as in the Expenditure column. I have to request that you will support my action in this matter and direct that it be not struck out again.—

I have the honour to be
Sir,
Your most obedient Servant
Nathl. B. Beardmore
C.E.
Acting Superintendent
Madras Harbour Works

G.O. 2143 = 26 - 8 - 81
" 2103a " - 28 - "
" 2475 " - 8 - 10 - "
" 698 " - 17 - 3 - 82.
" 1022 " - 26 - 4 - "
" 1329 " - 29 - 5 - "

P.W.C. No 4320

Buildings & Roads

From
The Ag Superintendent
Madras Harbour Works

No 19 W
Dated 30th June 1882

No of Enclosures 6

W
01/7

Allotment of 2 lacs for 1882/83

Submits remarks why other than Blockmaking & Establishment charges have been incurred

Ol. 2-7
only 1/7 R 8/7

Schedule No 2

Contingencies

1220
10

	Month of April 1882	Total	Arrears not paid at date in Sundries
Expenses of setting memorial stone by H.R.H. the Prince of Wales in Nov/75	.. ..	8654 1 7 ✓	
Protective Works along shore	5900 10 5	125248 1 5 ✓	12919 11 6
do repairs of sea Damages	.. ..	1435 9 .. ✓	
Intercepting drain, Fort to No 10 drain	.. ..	10008 1 2 ✓	
do No 10 to outlet	17 10 ..	24837 15 1 ✓	
Purchase of Mr Sadler's Land	.. ..	1000 .. .. ✓	
On account of Law charges in Barque Isaac Atkin	.. ..	690 9 4 ✓	
Conservancy	35 10 6	2081 9 6 ✓	188 1 1
Police and Guards	128 1 2	4860 15 7 ✓	52 6 1
Temporary Office Sundries	.. ..	829 3 4 ✓	
Purchase of Office Stationery	48 0 6	427 5 4 ✓	7 4
Lighting in Office and Station	2 1 6	1401 4 1 ✓	
Temporary Store Establt	9 6	1912 4 1 ✓	10 6
Travelling Allowance	.. ..	514 7 7 ✓	
Medical	.. ..	744 12 7 ✓	
General Sundries		78811 12 1 ✓	267 6 3
Advertisement charges	.. ..	435 0 6 ✓	
Photographs	.. ..	247 1 .. ✓	
Office Sundries	.. 13 ..	1905 13 6 ✓	35 4 ..
Theft	.. ..	50 .. ✓	
Municipal tax for sheds	.. .. ✓	100 13 5 ✓	✓
Total	6081 13 8 ✓	271674 .. 6	13899 12 .. ✓
Depreciation of Rolling Stock	.. ..	74773 14 8 ✓	

Madras
31 May 1882

Examined
G.
13/6

Rathe B. Beardmore
Ag Superintendent
Madras Harbour Works

EXAMINER P. W. ACCTS
2 JUN 82

P. W. G. 5
4320
~~R/ 7 5~~
~~39[illegible]~~

Schedule No. 3

Establishment

	Month of April 1882	Total	Arrears not paid at date included in total
Salaries	✓ 3703 9 1	329768 4 8 ✓	. . .
Office Contingencies	✓ . 12 .	6511 10 . ✓	. . .
Travelling Allowances	. . .	44773 9 3 ✓	. . .
Medical	. . . .	359 15 8 ✓	. . .
Assistance in Surveys	. . .	6119 11 11 ✓	. . .
Total as per Statement	✓ 3704 5 1	385633 3 6 ✓	. . .

Nath. B. Beardmore C.E.
Ag. Superintendent
Madras Harbor Works

Madras.
31st May 1882

Examined
E.E.
13/6

ENCLOSURE
2171
2 JUN 82
EXAMINER P.W. ACCOUNTS

P.W. En 4
4320

~~3957/8~~

Schedule No 1

General Tools

Total Cost to end of March 1882	39896 3
Hand vice 4½" long 1½" Jaw, No 1 @ 3 Rupees	3 -
Blocks wooden double, No 4 @ 1½ "	6 -
Cast Iron snatch Blocks to take 6" Rope, No 3 @ 25 Rupees	75 -
Cast Iron Blocks single, double & treble with gun metal No 3 @ Rs. a. p. 33.5.4	100 -
Tape measuring 100 ft	7 4
Value of 12 Files flat rough 18", 12½ round smooth 18" & 12 Hammers Hand 1½ lbs as per Invoice for Debit Advice No 8 of 26th April 1882 from the P W Stores	39 7
	40125 14
½ per cent recovery made on outlay on Beach Inspt Work	-
	40125 14
Add arrears not paid at date	- -
Total as per Statement	40125 14

Natth B Beardmore C.E.
Ag Superintendent
Madras Harbor Works.

Madras
31st May 1882

Examined
E.G.
13/6

2 JUN 82
EXAMINER P. W. ACCOUNTS

Enc No 2
4820

~~[illegible]~~

1220
15

Comparison of Expenditure to date with Sanctioned Estimate for April 1882

ENCLOSURE
2 JUN 82
EXAMINER P. W. ACCOUNTS

No and Description of subheads as per Estimate and Register of Works	As per Estimate: Quantity	Rate	Per	Estimate Cost	As executed: Actual Quantity	Rate of actual Cost	Actual Cost: During the month	Up to date	Arrears not paid	Grand Total as compared with Estimate	Remarks
1	2	3	4	5	6	7	8	9	10	11	
Preliminary Works											
Marine Surveys				6405 ✓		– – –	– – –	6408 2 2 ✓	– –	6408 2 2 ✓	
Railways. Rails from England				133699 ✓		– – –	– – –	133698 14 11 ✓	– –	133698 14 11 ✓	
Sleepers				39402 ✓		– – –	– – –	39402 7 5 ✓	– –	39402 7 5 ✓	
Formation &c				69020 ✓		– – –	– – –	69020 8 1 ✓	– –	69020 8 1 ✓	
Block Ground Original				45082 ✓		– – –	– – –	45031 15 5 ✓	– –	45031 15 5 ✓	
Do South Pier				9958 ✓		– – –	– – –	9957 13 3 ✓	– –	9957 13 3 ✓	
Buildings				55451 ✓		– – –	– – –	55450 14 6 ✓	– –	55450 14 6 ✓	
Expenses for Preliminary Works incurred by Col Thomason R.E.				"		– – –	– – –	97 9 2 ✓	– –	97 9 2 ✓	
Total Preliminary Works				378470 ✓						374068 4 11 ✓	
North Pier											
Rubble Stone in Surf Bank and Base	489910 ✓	2.00	tons	979820	487186½ ✓	1.90	169 11 7	961479 14 8 ✓	35 14 9	961275 3 – ✓	
Concrete Blocks	105863 ✓	8.90	C. yds	942181	100579 ✓	9.08	– –	913488 – – ✓	– –	913488 – – ✓	
Setting Blocks	105863 ✓	1.90	"	201140	100579 ✓	2.09		210666 9 1 ✓	26 12 6	210693 5 7 ✓	
11 North Piers Repairs of Sea Damage				"			2508 6 9	14104 – 1 ✓	2954 13 3	17058 18 4 ✓	
Total North Pier				2123141 ✓						2103755 5 11 ✓	
South Pier											
13 Rubble Stone in Surf Bank and Base	444910 ✓	2.00	tons	889820	451749½ ✓	1.90	1570 –	899290 10 10 ✓	70 10 3	899361 5 1 ✓	
14 Concrete Blocks	104631 ✓	8.90	C. yds	931216	101840 ✓	9.08		924941 –	– –	924941 – – ✓	
15 Setting Blocks	104631 ✓	1.90	"	198799	101840 ✓	1.86		189160 11 9 ✓	13 6	189161 9 3 ✓	
16 South Pier Repairs of Sea Damage				"			182 13 9	4289 9 9 ✓	165 11 9	4455 5 6 ✓	
Total South Pier				2019835 ✓						2017914 3 10 ✓	
17 Light house (site and design not decided on)				20000 ✓			– – –	– – –	– – –	– – –	
Tools and Plant											
18 Locomotive engines				53171 ✓			– –	53171 3 8 ✓	– –	53171 3 8 ✓	
19 Rolling Stock				26,066 ✓			– –	26037 15 – ✓	– –	26037 15 – ✓	
20 Floating Plant				144,285 ✓			– –	144,284 8 3 ✓	– –	144,284 8 3 ✓	
Do [illegible] of Hopper Barges				41,004 ✓			– –	41,004 – – ✓	– –	41,004 – – ✓	
Cranes and Machinery &c				250388 ✓			✓ – –	250,337 12 6 ✓	– –	250,337 12 6 ✓	
General Tools as per Schedule No 1				44,356 ✓			229 11 –	40125 14 4 ✓	– – –	40125 14 4 ✓	
Office Furniture				4029				4029 14 9 ✓		4029 14 9 ✓	
										567041 4 6 ✓	
Total Tools and Plant				571901 ✓			✓ 6061 13 8	553,155 4 5	13290 12 1	571576 8 6 ✓	
Contingencies as per Schedule No 2				178806 ✓						571576 – 6 ✓	
				178806 ✓			3704 5 1	355533 3 6 ✓		355533 3 6 ✓	
Establishment Do No 3				357612 ✓						355533 3 6 ✓	
				357612 ✓							
Materials at Site of Work			C yd		4259 ✓	9.09	✓ 86 10 5	399204 3 ✓	579 11 –	400300 6 8 ✓	
Concrete Blocks							– – –	– – –	– – –	– – –	
Advance to Work People							– – –	59773 12 1	2,005 8 11	61779 5 – ✓	
Manufacture							1338 12 11	172,430 10 3 ✓		172,430 10 3 ✓	
Other Stores as per Schedule No 4				2,82,000 ✓			1238 8 4	3982 6 – ✓	848 10 2	4831 – 2 ✓	
Moorings							19 15 –	3159 15 10		3159 15 10 ✓	
Barges Sea Damage									– –	5895,504 12 8 ✓	
Repairs to moorings				5845165 ✓			– –	74773 14 8	– –	74773 14 8 ✓	
Total Estimate & Value of Work done										5970,278 11 4 ✓	
Depreciation of Rolling Stock				~~[illegible]~~ 5845165 Jh. 108000							
Deduct probable recoveries due to sales of Tools and Plant				~~[illegible]~~ 5745165 Jh.							
Total							5757 11 –	6049523 3 3	19878 12 2	6069401 15 5 ✓	
Deduct arrears due										19878 12 2 ✓	
Total Outlay to date by Books										6049523 3 3 ✓	
Deduct Total Outlay to end of last year										59,15,991 12 2 ✓	
Total										133531 7 1 ✓	
Deduct value of Stock as per Schedule No 4 — 59773 12 1 Do Credits to Suspense Heads during the year — [illegible]										74446 11 5 ✓	
Net Debits of the year										59084 11 8 ✓	

Budget Grant
G.O. No 1022 W. dt 26.4.82. Rs 2,00,000

Madras
31st May 1882

Nathl. F. B. Beardmore C.E.
Ag Superintendent
M. Harbour Work.

1220
15

Comparison of Expenditure to date with Sanctioned Estimate for [illegible]

No. and Description of sub-heads as per Estimate and Register of Works	As per Estimate: Quantity	Rate	Per	Estimated Cost	As executed: Actual Quantity	Rate of actual Cost	Actual Cost: During the month	To date	Amount not found	Grand total as compared with Estimate	Remarks
Preliminary Works											
Marine Surveys				[illegible]			[illegible]			[illegible]	
Railways: Rails from England				[illegible]			[illegible]			[illegible]	
Railways: Sleepers				[illegible]			[illegible]			[illegible]	
Railways: Formation &c				[illegible]			[illegible]			[illegible]	
Block Cement & Cranes				[illegible]			[illegible]			[illegible]	
Do. South Pier				[illegible]			[illegible]			[illegible]	
Buildings											
Expenses for Preliminary Works incurred by Col. [illegible] R.E.							[illegible]			[illegible]	
Total Preliminary Works				[illegible]						[illegible]	
North Pier											
Rubble Stones and Backing	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	
Apron Rocks	[illegible]	[illegible]		[illegible]			[illegible]			[illegible]	
Setting Blocks	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	
North Pier [illegible]				[illegible]						[illegible]	
Total North Pier				[illegible]						[illegible]	
South Pier											
Rubble Stones and Backing	[illegible]	[illegible]		[illegible]			[illegible]		[illegible]	[illegible]	
Apron Rocks	[illegible]	[illegible]		[illegible]			[illegible]			[illegible]	
Setting Blocks	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	[illegible]	
South Pier [illegible]				[illegible]						[illegible]	
Total South Pier				[illegible]						[illegible]	
[illegible]				[illegible]			[illegible]			[illegible]	
[illegible]				[illegible]			[illegible]			[illegible]	
Finishing Road				[illegible]			[illegible]			[illegible]	
[illegible]				[illegible]			[illegible]		[illegible]	[illegible]	
Total Piers and Works				[illegible]			[illegible]			[illegible]	
Establishment							[illegible]		[illegible]	[illegible]	
Materials at date of Block							[illegible]		[illegible]	[illegible]	
Moorings				[illegible]			[illegible]			[illegible]	
Repairs to Damages				[illegible]						[illegible]	
Total				[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	

Net Debits of the year

Rs 2,00,000

Madras
31st May 1882

Nathl. B. Beardmore C.E.
Ag. Superintendent
Madras Harbour Works

P. W. Ex. 43.

~~Byo~~

~~20~~

1720 W

MADRAS HARBOUR
JL 24
1882
WORKS

X/1

No 1720 W.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 8th July 1882

Read the following :-

From the Examiner P.W. Accounts Madras	No 45 W. d/. 16th June 1882 -
From the Ag: Superintendent Madras Harbour Works	No 19 W. d/. 30th June 1882.

The Rt Honble the Governor in Council agrees with the Ag: Superintendent of the Madras Harbour Works that the assignment of two lakhs is intended to cover all incidental expenses connected with block-making, quarrying, Etc, such as those specified in paras 1 and 2 of his letter above recorded

2- Adverting to paragraph 3 it is observed that

the

the extension of the North Revetment is essential and must be proceeded with; but till the decision of the Govt: of India as to the incidence of the Charge has been communicated, the cost must be borne by Provincial as a provisional arrangement

3- Similarly the cost of work in connection with the moorings will have to be met from Provincial as a temporary arrangement.

4- The repair of the Rubble base as specified in paras 5, 6 and 7 must also be proceeded with; but Mr Beardmore should, as far as possible, restrict Expenditure to work required exclusively for the restoration of

the

the broken Piers on Mr Parkes' plan, till orders have been received from the Secretary of State as to the nature of future operations.

5- No immediate orders are required on para 8-

6- As regards para 9 the Examiner seems to have acted correctly in striking out of the estimate the sum of Rs 14,000 paid to the Madras Railway for depreciation of Rolling Stock The amount will however be debited to its proper head in the accounts with such Explanation appended as may be necessary

R.S.

5/7/82

Superintendent M.H. Works ✓

Examiner P.W. Accounts ✓

Ex'd. desp'd 15/7/82-

4320.

Govt. of (1882) Madras.

PUBLIC WORKS.

12/7/82

Recd. Encl.

G. O. 8th July 1882, No. 1720 W

Nos.

M. A. works

Orders regarding the expenditure of the addl. grant of two lacs in 1882/83 & the Supdt. directed to restrict expenditure to the works required exclusively for the restoration of the broken Piers on Mr. Parker's plan.

Sy/.