

P. H. Co. 1207

Recd. 27 Feb. '82

GO 212W. 26.7.82.
B 174W. 22.12.81.

B. No 528 Waf 28 to Fabr 1882.

Loaned
By
C₄
27.2.82

Entd in Receipt Regr.

3 Messrs. [unclear] [unclear] [unclear] [unclear]
joined [unclear] [unclear] [unclear] [unclear]
District I [unclear] [unclear] [unclear] [unclear]
= She [unclear] [unclear] [unclear] [unclear]

Cir 24.2.82 RCL 27-1-83

Deluge, during my absence from Masulipatam.

4. After my return to Head Quarters, they attended my Office and were employed under my personal supervision in revising the sections and estimates of some of the drainage works in the Eastern Division, for which the Estimates prepared by Captain Campbell R.E. have to be entirely recast.

5. From the Commencement of the Current month, Mr Mackenzie has been employed in levelling, or rather I might say, in learning levelling practically, under Mr Grants personal orders and is now on the Ellore Canal.

6. Mr Whitely has been employed in a precisely similar manner under my personal orders, and is now taking levels on the Masulipatam Canal.

7. These young Officers will probably be employed on levelling till the end of next month. During the hot weather I shall employ them in getting out revised designs and estimates for the works in connection with the Delta Completion

Scheme, I shall also send them to make a tour in the Western Division where they will be able to see the works in progress on the Commamir Canal.

I have the honor to be,
Sir,

Yours Most Obedt Servant,

J. W. Pinnock
Superintending Engineer,
2nd Circle.

Compd

No 526 Wd 28th Feb 1882

Received

Plt

27.2.82

From P. W. L. No 1217
The Superintending Engineer
2nd Circle

To
The Chief Engineer
P. W. Department

Dated 18th February 1882
Recd. 24

No 2438 K.L.

Messrs. Whiteley and
MacKenzie, Assistant
Engineers

Report the duties on
which - are now employed.

Be No 526 Wd 28th Feb 1882

Entd. in Receipt Repr.

With order

18.7.07
No 527 Wd 28th Feb 1882

Be No 527 Wd 28th Feb 1882
B
Circ 111

Recorded in Com.
Simulation of G. O. L.
234 Wd 27-1-82.

Plt

20/2/82

P. W. L. No 1102

FROM THE EXAMINER P. W. ACCOUNTS,

MADRAS.

TO THE SECRETARY TO GOVERNMENT,

P. W. DEPARTMENT.

No. 213 W.

DATED 17th FEBRUARY 1882.

RECD.

Be No 527 Wd 28th Feb 1882

ENCLOS. 5.

STATEMENT OF EXPENDITURE TO
31ST DECEMBER 1881, COMPARED WITH
ESTIMATE. FORWARDS ---- AND
POINTS OUT THAT NO TIME SHOULD BE
LOST IN OBTAINING THE REVISED
ESTIMATE.

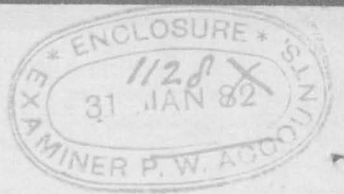
Exam: P. W. Accounts

3 Deptd: 28-2-82.

Cir 24.2.82 P. W. L. 27-1-82

With Order
Entd. in Receipt Repr.

Comparison of Expenditure to date with Estimated Estimate December 31st 1881.



No. and Description of Sub heads, as per Estimate and Register of Works.	As per Estimate				Actual				Grand Total		Remarks.
	Quantity	Rate	Per	Estimate Cost	Quantity	Actual Rate of the	Actual Cost Up to date	Arrears not paid	as Compared with Estimate		
	2	3	4	5	6	7	8	9	10	11	
Preliminary Works											
1 Marine Surveys				6,408 ✓			6,408 2 2 ✓			6,408 2 2 ✓	
2 Route from England				138,699 ✓			138,698 14 11 ✓			138,698 14 11 ✓	
3 Railways { Sleepers				39,402 ✓			39,402 7 5 ✓			39,402 7 5 ✓	
4 { Formation &c.				69,020 ✓			69,020 8 1 ✓			69,020 8 1 ✓	
5 Block Ground Original				45,032 ✓			45,031 15 5 ✓			45,031 15 5 ✓	
6 do South Pier				9,958 ✓			9,957 13 3 ✓			9,957 13 3 ✓	
7 Buildings				65,451 ✓			65,450 14 6 ✓			65,450 14 6 ✓	
8 Expenses for Preliminary Works incurred by Col. Thomson R.E.				"			97 9 2 ✓			97 9 2 ✓	not in Estimate
Total Preliminary Works				3,73,970 ✓						3,74,068 4 11 ✓	
North Pier											
9 Rubble Stone in Surf bank and Base	489,910	2.00	ton	9,79,820 ✓	487,185	1.90	9,25,524 15 8 ✓	614 1		9,60,139 8 ✓	
10 Concrete Blocks	105,863	8.90	Cy.	9,42,181 ✓	100,579	9.08	9,13,488 ✓			9,13,488 ✓	
11 Setting Blocks	105,863	1.90		2,01,140 ✓	100,579	2.09	2,10,508 4 9 ✓	9 13 1		2,10,518 1 10 ✓	excess
12 North Pier Repairs of Sea Damages				"			937 6 3 ✓	1,413 15 8		2,351 5 11 ✓	not in Estimate
Total North Pier				21,23,141 ✓						20,86,146 8 5 ✓	
South Pier											
13 Rubble Stone in Surf Bank and Base	444,491	2.00	ton	8,88,982 ✓	451,769	1.90	8,58,896 11 1 ✓	1,013 13 6		8,96,910 8 7 ✓	
14 Concrete Blocks	104,631	8.90	Cy.	9,31,216 ✓	101,840	9.08	9,24,941 ✓			9,24,941 ✓	
15 Setting Blocks	104,631	1.90		1,98,799 ✓	101,840	1.80	1,83,312 6 8 ✓	21 13 10		1,88,997 4 6 ✓	excess
16 South Pier Repairs of Sea Damages				"			817 4 1 ✓	1,321 3 3		2,138 7 4 ✓	not in Estimate
Total South Pier				20,19,835 ✓						20,12,987 4 5 ✓	
17 Light houses (site and design not decided on)				20,000 ✓							
Tools and Plant											
18 Locomotive Engines				55,171 ✓			55,171 3 8 ✓			55,171 3 8 ✓	
19 Rolling Stock				26,066 ✓			26,037 15 ✓			26,037 15 ✓	
20 Floating Plant				1,44,285 ✓			1,44,284 8 3 ✓			1,44,284 8 3 ✓	
21 do Expenses of Hopper Barges				44,004 ✓			44,004 ✓			44,004 ✓	
22 Cranes and Machinery &c.				256,388 ✓			256,387 12 6 ✓			256,387 12 6 ✓	
23 General Tools as per Schedule No 1				44,858 ✓			38,732 13 10 ✓			38,732 13 10 ✓	
24 Office Furniture				4,029 ✓			4,029 14 9 ✓			4,029 14 9 ✓	
Total Tools and Plant				5,71,801 ✓						5,65,648 4 ✓	
Contingencies as per Schedule No 2	3 per Cent			1,78,806 ✓			2,38,114 12 11 ✓	288 6 7		2,41,001 3 6 ✓	excess
Establishment do No 3	7 per Cent			1,78,806 ✓			3,60,887 10 11 ✓			3,60,887 10 11 ✓	excess
Materials at Site of Works											
Concrete Blocks											
Advances to Work people				4359 9.09			39,885 7 2 ✓	25 13 2		39,911 4 4 ✓	excess
Manufacture											
Other Stores as per Schedule No 4							62,246 11 7 ✓			62,246 11 7 ✓	
Moorings				200,000			1,69,211 8 4 ✓	61 5		1,69,272 13 4 ✓	

Schedule No 1

General Tools

Total cost to end of November 1881 39,255 3 11

No 6 Firmer chisels 1 1/2" @ 10 - " each 3 1/2 -

" 2 Hand Saws 30" @ 2 - 8 - " 5 -

" 2 Carpenters adze @ 2 - 8 - " 5 -

Value of 2 Ash oars purchased from the Commander of ship
Coldingham debited in the acct for Sept: 1881 to 5% Contingent
now reversed to General Tools vide Audit Note for Sept: 1881 15 -

Amount recovered for 2 Small travelling Jib Cranes sold 500 -
1 1/2 per cent recovery made on outlay on Beach Improvement Works 51 2 1

38,732 13 10

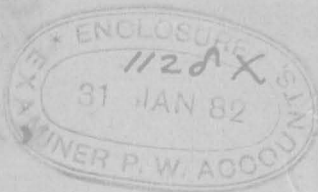
Add arrears not paid at date " " "

Total as per Statement 38,732 13 10

30
23rd January 1882.

J. W. Horrocks
Superintendent

Madras Harbour Works



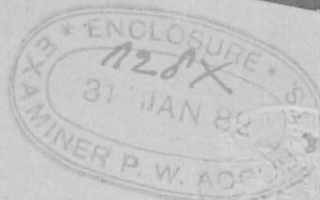
Schedule No 2
Contingencies

	Month of December 1881	Total	arrears not paid at date included in total
Expenses of setting memorial stone by H. R. H. the Prince of Wales in November 1875	8654 1 7		
Protective Works along shore	25444 4	95405 12 5	1800 4
do. Repairs of Sea Damages	616 13 2	1402 14 5	775 1 1
Intercepting drain Fort to No 10 drain		10028 7 2	
do. No 10 outlet	303 15	24255 11 9	55 7
Purchase of Mr. Sadler's land		1400	
On account of law charges in Barge "James Nikin"		690 9 4	
Depreciation of Rolling stock Madras Railway		74773 14 8	
Conservancy	443 8	22624 2	29 3 1
Police and Guards	126 2 4	44956 1	1279 2
Temporary office Assistance		82934	
Purchase of office Stationery	10 6	3521 3	28
Lighting in office and titaw	3 2 1	14454 11	
Temporary Store Establishment	269 3	1810 19	149
Travelling Allowances	34	501 12 3	4 13
Medical		744 12 7	
General Sundries	204 14 4	7030 10 6	52 3
Advertisement charges		435 11 6	
Photographs	204	2471	
Office Sundries	127	1860 10 5	25
Theft		50	
Municipal tax for sheds		100 13 5	

Total as per Statement 4099 11 8 24100 3 6 2886 6 7

30
24th January 1882.

J. W. Morrow
Superintendent
Madras Harbour



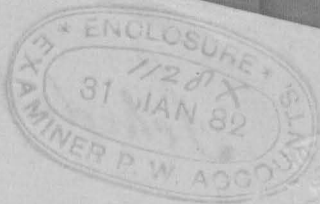
W. H. 1102/10

Schedule No 3
Establishment

	Month of December 1881	Total	amount not paid at date included in Total
Salaries	3792 12 9	310108 2 1	✓
Office Contingencies	62 4	5036 4	✓
Travelling Allowances	96 5 11	40262 1 3	✓
Medical	- - -	359 15 8	✓
Assistance in Surveys	1 8	5121 3 11	✓
Total as per Statement	3952 14 8	360887 10 11	

30
23rd January 1882.

J. H. M. Rowson
Superintendent
Madras Harbour Works



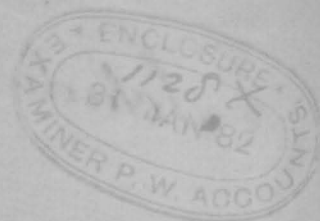
White
1102 1/2

Schedule of Stores No. 4

	Month of December 1881	Total	are not paid at date included in total
Small Stores		2578 15 7	
Building Material		60 11 7	
English Cement		11854 4 6	
Indian do		3495 4 11	
Timber		3291 - 7	
Metals		17486 14 6	
Fuel		9376 6 6	
Painters Stores		2135 8 2	
House Fittings		54 -	
Cordage		- - -	
Miscellaneous		7062 5 3	
Spare Gear for Machinery		4900 - -	
Total as per Statement		62246 11 7	✓ - -

30
24th January 1882

J. H. Mowgood.
Superintendent
Madras Harbor Works.



FROM THE EXAMINER P.W. ACCOUNTS,

MADRAS.

TO THE SECRETARY TO GOVERNMENT,

PUBLIC WORKS DEPARTMENT.

NO. 213 ~~111~~

MADRAS, 17th FEBRUARY 1882.

SIR,

I HAVE THE HONOR TO FORWARD HERewith IN ORIGINAL, TOGETHER WITH 4 ACCOMPANIMENTS, THE STATEMENT COMPARING EXPENDITURE WITH SANCTIONED ESTIMATE TO 31ST. DECEMBER 1881 ON THE MADRAS HARBOR WORKS, AND TO STATE THAT THE FIGURES SHewn THEREIN HAVE BEEN CHECKED AND FOUND TO AGREE WITH THE BOOKS OF THIS OFFICE.

2. THE EXCESS POINTED OUT IN MY LETTERS NOTED IN THE
145 W, DATED 20TH. OCTOBER 1881. } MARGIN, AND WHICH
186 W, DATED 19TH. NOVEMBER 1881. }
199 W, DATED 25TH. JANUARY 1882. } ARE STILL INCREASING,
MUST CONTINUE TO BE HELD OBJECTIONABLE TILL SANCTION HAS
BEEN ACCORDED TO THE REVISED ESTIMATE REFERRED TO IN G.O.
NO. 234 W, DATED 27TH. JANUARY 1882.

I HAVE THE HONOR TO BE,

SIR,

YOUR MOST OBEDIENT SERVANT.

D. L. Goudou

EXAMINER P.W. ACCOUNTS.