

(1) Number of pages. _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	1251	(W)	Press
B.P. No.			Mis.
Dated	18.5		1876.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
18th May 1876.*

No. 328. Read the following Despatch from the Most Honorable the Secretary of State for India :—

Public Works,
No. 14.

INDIA OFFICE, LONDON,
20th April 1876.

MY LORD DUKE,—With reference to your predecessor's letter, No. 35 of the 20th August last, I have to inform your Grace that on the recommendation of Mr. Parkes, I have appointed Mr. William Allen as Foreman Diver on the Madras Harbour Works.

2. One part of the Articles of Agreement entered into with Mr. Allen is herewith forwarded. Mr. Allen will take his departure from this country for Madras by the mail steamer which leaves Southampton on the 4th proximo.

I have, &c.,
SALISBURY.

His Excellency the Right Honorable
The Governor in Council, Fort St. George.

No. 329. ORDER THEREON, 18th May 1876, No. 1,251.

ESTABLISHMENT, No. 28.

COMMUNICATED to the Superintendent
of the Madras Harbour Works and to the
Examiner of Public Works Accounts.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the Superintendent, Madras Harbour Works.

.. Examiner of Public Works Accounts, with Agreement to be returned.

Edw S. T. Austin.
Spare Copies

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*Proceedings of the Madras Government, Public Works Department,
10th September 1875.*

No. 252. Read the following letter from JAMES MAY, Esq., Superintendent, Madras Harbour Works, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 18th August 1875, No. 8:—

In accordance with the memorandum from the Officiating Chief Engineer, Public Works Department, No. 126, dated Ootacamund, 25th June last, I have the honor to enclose, for submission to the Honorable the Governor in Council, an estimate of the probable cost of the Madras Harbour Works.

2. The estimate is based generally on Mr. Parkes' original estimate, dated October 1873; and, in arranging the heads of the enclosed paper, I had the assistance of the Controller of Public Works Accounts.

3. The items of "Establishment" have been taken with the understanding that the works may be completed in five years. Should a shorter period be sufficient for completion those items will be proportionally reduced.

4. Of the five officers in the "Establishment," whose appointments have not been sanctioned by Government, I am informed that the European Concrete-maker has been, or is about to be, engaged by the India Office, and that his arrival here may be shortly expected. The European Mechanical Assistant, the European Foreman Diver the Native Storekeeper, and the Native Apothecary have not been provided for.

MADRAS HARBOUR.
Estimate of Works.

Number or Quantity.		Rate.	One year.	Five years.	Total.
PRELIMINARY WORKS.					
	Detailed Survey	...	RS.	RS.	RS.
	Forming railways, including materials, rails, chairs, sleepers, &c...	...	...	5,000	
	Opening quarries	...	...	2,00,000	
	Preparing block ground	...	...	10,000	
	Rubble stone Jetties	...	...	90,000	
				60,000	
	Land	...	...	45,000	3,65,000
CONSTRUCTION OF PIERS.					
<i>North Pier.</i>					
479,609	Tons—Rubble stone deposits in approach and in foundation...	at Rs. 1-64 per.	...	7,87,000	
11,786	Cubic yards—Portland cement blocks built from 2½ to 4 fathoms water ...	at „ 14 per.	...	1,65,000	
90,211	„ Portland cement blocks built from 4 fathoms outwards ...	at „ 14 per.	...	12,63,000	
	1 Lighthouse	...	...	33,000	
<i>South Pier.</i>					
479,909	Tons—Rubble stone deposits in approach and in foundation...	at Rs. 1-64 per.	...	7,87,000	
11,786	Cubic yards—Portland cement blocks built from 2½ to 4 fathoms water ...	at „ 14 per.	...	1,65,000	
90,211	„ Portland cement blocks built from 4 fathoms outwards ...	at „ 14 per.	...	12,63,000	
	1 Lighthouse	...	...	33,000	
	Buildings	...	...	1,00,000	
					22,48,000
					1,00,000

Proceedings of the Madras Government, Public Works Department,
10th September 1875.

Estimate of Works.—(Concluded.)

Number or Quantity.	Rate.	One year.	Five years.	Total.
PLANT.				
Locomotive engines	...	RS.	RS.	RS.
Rolling stock	...	...	75,000	
Floating plant	...	...	45,000	
Engines, cranes, concrete machines, stone breakers, &c.	...	...	1,80,000	
Quarry and general tools	...	...	1,50,000	
Buoys and beacons	...	...	65,000	
Office furniture	...	...	5,000	
			2,000	
				5,22,000
ESTABLISHMENT.				
<i>Direction.</i>				
Engineer-in-Chief (G. O.)	...	5,000	25,000	
Bonus (G. O.)	...	...	5,000	
<i>Engineering.</i>				
Superintendent of Works (G. O.)	...	15,000	75,000	
Office Establishment (G. O.)	...	2,052	10,260	
European Assistant (G. O.)	...	6,000	30,000	
Office Establishment (G. O.)	...	1,092	5,460	
European Mechanical Assistant	...	6,000	30,000	
European Concrete-maker	...	4,800	24,000	
European Foreman Diver	...	3,600	18,000	
Native Sub-Engineer (G. O.)	...	3,600	18,000	
Office Establishment (G. O.)	...	468	2,340	
Native Superintendent of Quarries (G. O.)	...	2,400	12,000	
Office Establishment (G. O.)	...	324	1,620	
<i>Store.</i>				
Native Storekeeper	...	4,200	21,000	
Office Establishment	...	324	1,620	
<i>Medical.</i>				
Native Apothecary	...	1,800	9,000	
Medicines	...	500	2,500	
		57,160		2,90,800
Office contingencies, telegrams to and from England, postages, carriage of parcels, &c.	...	2,000	10,000	
Travelling Allowances of Staff	...	10,000	50,000	
Maintenance during construction	...	...	2,16,439	60,000
				2,16,439
Total				60,95,239
Contingencies at 5 per cent				3,04,761
Total				64,00,000

NOTE.—The items of Establishment marked (G. O.) have been sanctioned by the Madras Govt.

MADRAS,
18th August 1875.

(Signed) JAMES MAY.
Superintendent, Madras Harbour.

Proceedings of the Madras Government, Public Works Department,
10th September 1875.

No. 253. ORDER THEREON, 10th September 1875, No. 2,610.

CIVIL WORKS, No. 22.

THE Estimate for the Madras Harbour Works now submitted by Mr. May, and amounting to Rupees 64,00,000 as against a provisional sanction of £628,000, compares with Mr. Parkes' estimate of October 1873 as follows, viz. :—

	Mr. Parkes.	Mr. May.
	£.	RS.
Plant	80,000	5,22,000
Buildings		1,00,000
Preliminaries		3,65,000
		9,87,000
Land		45,000
Rubble stone work	143,972	15,74,000
Concrete block work in 2½ to 4 fathoms	30,250	3,30,000
Concrete block work from 4 fathoms outward	231,150	25,26,000
Two Lighthouses	6,000	66,000
Establishments, &c.	24,569	3,50,800
Maintenance and Contingencies... ..	49,137	5,21,200
Total	565,078	64,00,000

Copy of it will be transmitted to Mr. Parkes for his formal approval of the same, pending receipt of which the Controller will accept the document as his guide. Mr. Parkes has already sent out the European Concrete-maker, but has not signified his wishes regarding the European Mechanical Assistant or the Foreman Diver. They may be employed, with his sanction, when required. A Storekeeper and establishment may be entertained at a cost not exceeding that estimated for; and Mr. May will make his own arrangements for medical assistance and supplies, after consulting the officer in medical charge of the port. The item Travelling Allowances will be held to include the house-rent and Presidency allowances of such subordinates as may be considered entitled to the same, such as the native Sub-Engineer. Mr. Parkes, it is observed, has stated the European Concrete-maker to be entitled to free quarters.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the Superintendent of Works, Madras Harbour.
" Controller of Public Works Accounts.
To Mr. Parkes.

Exd S. T. Austin.
Spare Copies

Public Works
No 14

India Office, London.

20th April, 1876.

My Lord Duke,

1. With reference to your predecessor's letter, No 35, of the 20th August last, I have to inform your Grace that on the recommendation of Mr Parkes, I have appointed Mr William Allen, as Foreman Wiver on the Madras Harbour Works.

2. One part of the Articles of Agreement entered into with Mr Allen is herewith forwarded.

Mr Allen will take his departure from this country

His Excellency,

The Right Honorable,

The Governor in Council,

Fort St George.

11/15
"Will be forwarded herewith"

Country for Madras by
the Mail Steamer which
leaves Southampton on
the 4th proximo.

I have the honor to be,

My Lord Duke,

Your Grace's most obedient

humble Servant,

Wm Pitt Rivers

Esq

Wm Pitt Rivers

Wm Pitt Rivers

at the residence of
the Duke of Devonshire
at Chiswick on the 1st
of November 1871

Wm Pitt Rivers

do not intend to
write any more
on the subject of
the Duke of Devonshire
at Chiswick

No. 1251 of 18 May 76.

Communicated to
the Superintendent of the
Madras Harbour Works
and to the Examiner of
Public Works Accounts.

GMW

Q. W. 1896 Sept.
No. 3656

Public Works
20 April 1896
No. 20 May

The
Letter to Fort St. George

No. 114.

Encl.: One

G.O. 25.5.75 - 1433 & 1434

" 29.6.75 - 1875

Dep: 21.8.75 - 35

Indicating the ap-
pointment of Mr. William
Allen, as Foreman -
Diver on the Madras
Harbour Works.

No. 328/9

Super. Madras Harbour Works
Examiner, Mr. Allen
with agreement to be
returned

Encl.: One
1/6/96

With order

With order

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Rev.

Encl

G. O. 18th May 1876, No. 1251

Nos. 72.

William Allen Mr.
Foreman Diver
Madras Harbour
works. Despatches
from the Secy of State
intimating the
appointment of —
communicated to the
officers concerned.