Paint Chocolate in Powder	Cwt 20	1.0.4	12 ,	Hennes & Co.	Jan	
		2.3.24	1 ,	From Store	Jan	
Solder Tin	No. 56	-	12 ,	J. Stone & Co.	Jan.	
Sewing Palms. 1st size Seaming	Doz. 1					
2nd size Roping	, 1	-	12 ,	Buck & Co.	Jan.	
Files. Flat Bastard 14" taper	, 3					
2nd Cut 8", 6" & 4" of each	, 2	-	12 ,	Fisher & Co.	Jan.	
Leather Belting:-						
Single 6" wide × 44' long for Stone Crushing Machine	Lengths 6					
Single 3½" × 27' for Concrete Mixers	, 6	-	12 ,	Tullis & Son	Jan.	
Double 9" × 75' for Engine	, 1					
Steel Wire Rope 2½ × 150 yds.	Yds. 150	-	12	Bullivant & Co.	Jan.	
Twisted Copper Wire Sounding Line ¼" diam × 170 fathoms	Fms. 170	-	12 ,	Newall & Co.	Jan.	
Chain Iron ⅜"	Ft 600	-	14 ,	Wood Aston & Co.	Jan.	
Steel Tyres for Block Trucks & Loco Engine wheels 2'-7½" inside diam. 5" wide & 2⅝" thick at outside	No. 28	-	5 Nov.	Brown & Co.	Jan.	8 additional supplied on Mr Parker's recommendation.
Double flanged Steel tyred Truck wheels (without axles) for Mixer Breaker Crane	, 12	-	6 ,	Ransomes & Rapier	Feb.	
Screws. Iron of sizes	Gross 160					
Brass ,	, 40	-	12 ,	H. Cox	Jan.	

Two side spans 5' each 2

Indent dd 4 September 1886.
Received 2 Oct. 1886 (8.52) - - 27 Oct
For Superintending Engineer 4th Circle
For testing the crushing weight and other properties of Laterite

Hydraulic Crushing Tester No. 1

Emergent Indt. dd 10 Sept. 1886
Received 11 Oct. 1886. (8.52) - - 2 Nov.
For Nilgiri Division 4th Circle

Copper. Rod Solid ¾" diam	R.Ft 693
, , ¼ ,	, 479½
Sheet 3' wide ⅛" thick 6' long	Sheets 3
Tapes 1¼" wide ¾" thick	R.Ft 21
, 1¼ , ⅝ ,	, 6180
, 1 , ¼ ,	, 926½
, 1 , ⅛ ,	, 4½

20 "	" 1	-			-	" " SS. India (25 Nov).
21 "	" 1	-			-	
Indent of 23 Nov. 1885						
Received 12 Jan. 1886 (7.111)	- -	16 Feb.				
No IV Tank Division						
Levelling Instruments Dumpy, Cushing's Reversible 14" with Stand	No 16	-			-	4 shipped per SS. [illegible] (28 Oct) & 12 [illegible] per SS. [illegible] (9 Dec).
For Kistna Eastern Division						
Levelling Instruments, Dumpy			26 Mar.	Cooke & Sons	-	
Reversible with stand :- 10 inch	" 2	-			-	Shipped per SS. [illegible] (28 Oct).
12 "	" 2	-			-	
Public Works Lel. No $\frac{4}{797}$ W of 17 March 1886.						
Received 14 April 1886 (7.121)	- -	11 May				
(Originally demd in Indent of 21 Nov. 1885)						
For Famine Relief works, Reserve Stock					1886	
Hooks Bill 2½ lbs	No 4,000	-	1 June	Smith & Sons	Dec.	1500 shipped per SS. Dacca (18 Oct) & 2250 per SS. Brindisi (2 Dec).
Mamoties 6 lbs	" 20,000	-	1 "	Buck & Hickman	Dec.	1400 [illegible] Waroonga (9 Dec) & [illegible] per SS. Brindisi (2 Dec).

Galv. iron [illegible] blocks with							
Double & Treble Sheaves :-							
For 3" & 4" Rope	For each	Pairs 4	-	23 July	Brown Lenox & Co	-	
Cement. Portland		Tons 2000	-	8 "	White & Bros	Dec	1073½ shipped as before reported, 200 per SS. Rewa (18 Oct), 150 per SS. Dacca (28 Oct), 180 per SS. India (25 Nov), & 200 per SS. Manora (23 Dec).
Indent of 19 May 1886							
Received 23 June 1886 (8.20)		- -	22 Sept.				
For re roofing Regt Mess House, Fort St. George.							
Girders Rolled iron - depth 9 5/16",							
width 4½" :- 10' lengths		No. 1					
29' "		" 28	-	30 Aug.	Providence Iron Co	-	Shipped per SS. Waroonga (9 Dec).
31' "		" 33					
Indent of 7 June 1886							
Received 6 July 1886 (8.22)		- -	3 Aug.				
For Madras Harbour Works.							
C.S. Pinions for Travelling Gear of Titan Crane		No. 6	-	9 Aug	Stothert & Pitt	Dec.	5 shipped per SS Waroonga (9 Dec).

Service. Madras Public Works

Bi-Monthly Return of Stores under provision by the Director-General of Stores for India up to 30 Nov. 1886.

INDIA OFFICE,
LONDON,
10 Dec. 1886.

A. ABERCROMBIE JOPP,
Director-General of Stores.

N.B.—This Return includes all Stores under supply in England. Stores reported in this Return to have been shipped will not be inserted in future Returns.

x Y 9269. 3000.—1/86. I. 2322.

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
(Madras Public Works)						
Indent of 24 October 1884, Received 26 Nov. 1884. (6.84)	-	1884 29 Dec.				
Machinery.						
Machine for cutting hot iron bars	No. 1	-	1886 28 May	Whitworth & Co.	-	Shipped per S.S. Clan Macarthur (11 Nov.)
Indent of 2 December 1885 Received 23 Dec. 1885. (7.108)	-	1886 7 Apl.				
For Bridges on Calicut Vayitri Road						
W.I. Girder Bridges:-						
56' Clear Span	No. 1	-	-	-	-	Shipped per S.S. India (25 Nov).
40' " "	" 2	-	-	-	-	" " S.S. Duke of Buccleuch (30 Oct.)
50' " "	" 2	-	-	-	-	" " S.S. India (25 Nov).
Ironwork for smaller Bridges with W.I. Superstructure, Beams, Flooring, Hand Rails &c:-		-	6 May	Westwood Baillie & Co.	-	
10' Span	" 1	-	-	-	-	
12' "	" 2					Shipped per S.S. Duke of Buccleuch (30 Oct.)
15' "	" 4					

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
Indent of 22 April 1886 Received 25 May 1886. (7.124)	-	1886 20 July				
For Superintending Engineer, 4th Circle.						
For Cholady Bridge on Vayitri Gudalore Road.						
W.I. Girder Bridge Spans of 50' each	Spans 2	-	1886 1 July	Westwood Baillie & Co.	1886 Dec.	
Indent No. 23 of 25 May 1886 Received 21 June 1886. (8.5)	-	13 July				
For Madras Harbour Works.						
Canvas ordinary in Bales of 10 Bolts:-						
No. 1	Bales 4	-	30 July	Baxter Bros & Co.	-	Shipped per S.S. Dacca (28 Oct).
" 2	" 6					
" 3	" 2					
" 4	" 1					
Steam Pressure Gauges Bourdon's Pat:-						
160 lbs. 5" diam.	No. 1	-	15 July	Dewrance & Co.	-	Shipped per SS Warooga (9 Dec).
100 " "	" 1					
Vices Bench 6" jaw	" 4	-	9 Aug.	Tangyes Ld.		
Adzes Carpenters'	Doz. 1					
Chisels Mortice 3/4" 1/2" 3/8" & 1/4" 6 each	No. 6		30 July	Buck & Hickman		
Turners'	Set 1					

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
Indent of 14 July 1886						
Received 17 Aug. 1886 – (8.27)	–	1886 8 Sept				
For Govt: Brickfield, Madras						
Brick Dressing Machines Portable Self lubricating Claytons Patent, as demanded :– Double	No. 1	–	1886 17 Sept	Clayton Howlett & Co	–	Shipped per SS. Pekin (18 Nov).
Single	3					
Encaustic Tile Press Boulton's as demanded	1	–	17 "	W. Boulton	Uncertain	
Indent of 30 August 1886						
Received 2 Oct. 1886 (8.51)	–	2 Nov.				
For the Superintending Engineer, 1st Circle						
To be shipped to Bimlipatam.						
Ironwork complete for Bridges:–						
On the Potinghi Ghat Road:–						
Over the Sunki River 70' clearspan	No. 1					
On the Potinghi Karaput Road:–						
Over the Choondaly River 70' clearspan	1					
Over the [illegible]						

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
Emergent Indent of 11 Sept. 1886						
Received 11 Oct 1886 (8.53)	–	1886 2 Nov.				
For Presidency Public Works Workshops						
Chain Iron 3/8"	Ft. 1000	–	1886 10 Nov.	Jones & Co.	1887 March	
Belting Flax Canvas 4 ply Single 5"	" 200	–	26 "	Fellows Leather Co	1886 Dec	
" " " 8 " Double 6"	" 100					
" Cotton " 4 " Single 5"	" 200	–	26 "	Gandy & Co	Dec.	
" " " 8 " Double 6"	" 100					
Hose for Fire Engine in 6' lengths Rubber Suction 2½"	" 30					
Leather Delivery Hose in 40' lengths	" 240					
Indent No. 78 of 16 Sept. 1886						
Received 11 Oct 1886 (8.54)	–	9 Nov.				
For Madras Harbour Works.						
Diving Dresses Large size	No. 24					
Prepared Canvas for Dresses	Yds 24					
Solution for Do. in tins	No. 12					
India rubber Pipe in 50' lengths for Diving Pump	Lengths 4	–	1 Nov.	Siebe & Gorman	Dec.	
India rubber [illegible]						

2495 of 13-11-86.
1664 of 30-6-86.
1127 of 4-5-86

P.W.C. 6.10191

Recd 30-12-86

B. No. 424 of 7 Jany/87

Communicated to officers concerned

Copies to officers concerned.

MCB
31.12.86

S. Es I, II, IV, V circles
S. E. T. M. S
C. A. to Govt
Ch. H. T. Bd
Ch. Engr for Design

DWW
8/1/87

A Y 2270. 10,000.—2 86. L 2325.

3

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
Indent No. 78 dated 11 Sep. 1886 Received 11 Oct. 1886 (8.84)	— —	9 Nov				
For Madras Harbour Works						
Diving dresses large size	No. 24					
Prepared canvas for dresses	Yds 24	—	1 Nov.	Siebe & Gorman	—	Shipped per S.S. Manora (23 Dec
Solution for do in tins	No. 12					
India rubber pipe in 50 lengths for Diving Pumps	Lengths 4					
India Rubber wrist rings	No. 56	—	1 Nov	Siebe & Gorman	—	Shipped per S.S. Manora (23 Dec
Oil Linseed Boiled	Gals 40		12 "	L. Frank & Co	—	Shipped per S.S. Chusan (28
Paint, Chocolate in Powder	Cwt 20	1.10.84 2.3.84	12 " 1 "	Fenner & Co From Store	— —	
Solder Tin	lbs 66	—	12 "	J Stone & Co	—	
Sewing palms 1st size Seaming	Doz 1	—	12 "	Buck & Co	Feb	
2nd " Roping	" 1					
Files flat bastard 4" taper	" 3	—	12 "	Fisher & Co	—	Shipped per S.S. [illegible]
2nd Cut 8" 6" 4" of each	" 2					
Leather Belting:-						
Single 6" wide × 40' long for Stone						

975 [illegible] 13 . 11 . 86.
10
11

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
(Madras Public Works)						
Public Works Lr No. 7/17 A dated 17 March 1886.		1886				
Received 14 Apl. 1886 (7.121)	–	11 May				
Originally demd in Indt. of 21 Nov 1885						
For Famine Relief Works Reserve Stock			1886			
Hooks Bill 2½ lbs	No 4000	–	1 June	Smith & Sons	–	3751 shipped as before reported & Remr " per S.S. Chusan (28 Jan)
Mamooties 6 lbs	" 20,000	–	1 "	Ruck & Hickman	–	3811 shipped as before reported & 3800 " per S.S. Chusan (28 Jan)
Indent of 22 Apl. 1886.		1886				
Received 26 May 1886. (7.124)	–	20 July				
For Superintending Engineer 4th Circle						
For Chelady Bridge on Vayitri Gudalore Road						
R.J. Girder Bridge spans of 50' each Spans	2	–	1 July	Westwood Baillie & Co	–	Part shipped per S.S. Mount Tabor (1 Jan) Remr " " " Goorkha (6 Jan)
Indent No 28 of 25 May 1886						
Received 21 June 1886 (8.5)	–	– 13 July				
For Madras Harbour Works						

A Y 1870. 10,000—2/86. L 232.

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Secy of State in Council.	Date of Contract.	Name of Contractor.	Probable Date of Shipment.	Shipments (Quantity, Name of Vessel, and Date of Sailing); or Remarks.
Indent of 30 Aug 1886 (contd)						
Ironwork Complete for Bridges:-						
On the Vetinghi Kasapet Road:-						
Over the Choondaly River 70' clear span	No 1	–	1887 6 Jan	Patshaft & Co.	1887 Sep	
Over the Pedda Gedda:-						
One main span 56'	" 1					
Two side spans 36' each	" 2					
Indent of 4 Sept 1886.		1886				
Received 2 Oct. 1886. (8.52)	– –	27 Oct				
For Supdg Engineer 4th Circle						
For testing the crushing weight and other properties of Laterite						
Screw Testing Machine	No 1	–	18 Jan	Whitworth & Co	May	
Emergent Indt of 10 Sept 1886.						
Received 11 Oct 1886. (8.52)		2 Nov				
For Nilgiri Division 4th Circle						

Service. Madras Public works

Bi-Monthly ***Return*** **of Stores under provision by the Director-General of Stores for India up to** 31. Jan. 1887.

INDIA OFFICE,
LONDON,
11. Feb. 1887.

A. ABERCROMBIE JOPP,
Director-General of Stores.

N.B.—This Return includes all Stores under supply in England. Stores reported in this Return to have been shipped will not be inserted in future Returns.

A Y 9269. 3000.—1/86. I. 2322.

Cement Portland	Tons 2000	–	8 July	White Bros	–	1900 shipped as before reported 100 " per S.S. Yorkshire (?) Rem. " " " Navarino &c
Indent dated 7 June 1886. Received 6 July 1886. (8.22)		–	3 Aug			
For Madras Harbour Works						
C.S. Pinions for Travelling Gear of Titan Crane.	No. 6	–	9 Aug	Stothert & Pitt	–	5 Shipped as before repor Remr. 1 " per S.S. Navarino
Indent of 14 July 1886. Received 17 Aug. 1886. (8.27)		–	8 Sept			
For Govt Brickfield Madras						
Encaustic Tile Press Boulton's as demanded	No. 1	–	17 Sept	H. Boulton	uncertain	
Indent of 30 Aug. 1886. Received 2 Oct. 1886. (8.61)		—	2 Nov			
For the Superintendt. Engineer 1st Circle						
To be shipped to Bimlipatam						
Ironwork complete for Bridge:- On the Kotinghi Ghat Road:- Over the Sunki River 70' clear span	No. 1	–	1887 5 Jan	Pat. Shaft Co	1887 Sept	

4 " "	" 4793					
Sheet 3" wide, 5/8" thick, 6' long	Sheets 3	–	1886 22 Dec	Saunderson & Co	Mar	
Tapes 1¼" wide 3/4" thick	R.Ft. 21					
" 1¼" " 1/8" "	" 6180					
" 1 " 1/4 "	" 2263					
" 1 " 1/8 "	" 43					

Emergent Indt. of 10 Sept 1886.
Received 11 Oct 1886. (8.53)

For Presidency Pub: Wks Workshops						
Chain Iron 3/8"	Ft 1000	–	10 Nov	Jones & Co	–	Shipped per S.S. Navarino (20 Jan)
Belting flax canvas 4 ply Single 5"	" 200	–	26 Nov	Fullers Leathers	—	Shipped per S.S. Chusan (28 Jan)
" " 8 " Double 6"	" 100					
Cotton " 4 " Single 5"	" 200	–	26 Nov	Gandy & Co.	—	
" " 8 " Double 6"	" 100					
Hose for Fire Engine in 6' lengths Rubber Section 2½"	" 30	–	24 Dec	Clyde Rubber Co Ld.	Feb	
Leather delivery hose in 40' lengths	" 240	–	31 "	Merryweather & Sons	Mar	

42 w 7.1.87
2995 w 13.11.86
2316 w 14.9.86 &c

P.W.C. No 1693

5.8C

R 2.3.87

B. No 730 W d/9 March/87

B

Commd: to Officers concerned.

Mcr
3.3.87

E.E's I, IV & V C
C. A.
Ch. H. T. Bd
C.E. for I. Depts

Jolle
3/3/87

10/3/87

Gen
11/3

Jd 12/3

P.W.C. No 1750

Reference to Madras P. W. D. Code.
Paras.
490 w 8-2-87
354 w 8-2-87
146 w 18-1-87

P. W. D. Form.
No. M 112.

CENTRAL OFFICE OF ACCOUNTS.

Circle First

Fund Provincial.

R 4.3.87 [illegible]

Provincial Statement of Objectionable Items in the Accounts of Executive Engineers for the month of December 1886.

No. ———

Madras,
Dated 3d March 1887.

B. No 927 W d/9-3-87

Forwarded for orders to the Secretary to Government, Public Works Department, Madras.

D. C. Gordon

Examiner of P. W. Accounts,
Madras.

B

[illegible] 9/3

OW

With orders

Gen 11/3 Jd 11/3

[P. W. D. Form No. M. 112—Inner Sheet.]

Provincial Statement of Objectionable Items in the Accounts of Executive Engineers for the month of December 1886 requiring the orders of Government.

Item No.	Particulars of each Item.	Month in the Accounts of which Objectionable Expenditure first appeared.	Comparison with Estimate.			Comparison with Appropriation of the Year.			Expenditure during the Month.	Opinion of the Superintending Engineer, with final Remarks by Examiner.	Orders by Government.
			Amount of Estimate.	Expenditure up to Date.	Excess over Estimate.	Amount of Appropriation.	Expenditure of the year.	Excess over Appropriation.			
		Dowlaishweram Workshops Dn									
1.	Purchase of European Stores in the Local Market.									1. Sanction of Government to the purchase of these Stores is still awaited.	Early steps should be taken for the removal of objection to this item.
	April 1886										
	65 lengths I. W. pipes 3/4"	–	–	109-9-7							
	June 1886										
	Red Lead 330 lbs.	–	–	56-1-7							
	Glass Panes 316 (10"×8")	–	–	59-4-–							
	Coal Tar ... 2480 lbs.	–	–	146-9-11							
	Round Iron 1½" 1388 "	–	–	83-4-6							
	... do ... 1" 1391 "	–	–	83-7-4							
	... do ... 2½" 2300 "	–	–	138-–-–							
	Flat Iron (2½×½) 1045 "	–	–	62-11-2							
	Rosin ...... 486 "	–	–	58-5-1							
	July 1886.										
	Boiled Linseed oil 308 lbs.	–	–	97-10-10							
	Red Lead ..... 498 "	–	–	84-10-7							
	White paint ... 440 "	–	–	74-12-9							
	Lead .... 1079 "	–	–	129-7-8							
	Glass Panes ... 488 " (12"×10")	–	–	122-–-–							

[P. W. D. Form No. M. 112—Inner Sheet.]

Provincial Statement of Objectionable Items in the Accounts of Executive Engineers for the month of December 1886 requiring the orders of Government.

Item No.	Particulars of each Item.	Month in the Accounts of which Objectionable Expenditure first appeared.	Comparison with Estimate.			Comparison with Appropriation of the Year.			Expenditure during the Month.	Opinion of the Superintending Engineer, with final Remarks by Examiner.	Orders by Government.
			Amount of Estimate.	Expenditure up to Date.	Excess over Estimate.	Amount of Appropriation.	Expenditure of the Year.	Excess over Appropriation.			
1.	August 1886.										
	90 lbs: galvanized Iron ~~Iron~~ washers with freight and shipping charges	-	-	62-2--	-	-	-	-	-		
	15.56 lbs: of Carsons Chocolate Paint &ca	-	-	135--							
	20-28 lbs: Kegs &ca with freight and shipping charges	-	-	105-2--							
	Angle Iron (2×2×¼) 2164 lbs: with freight and shipping charges &ca	-	-	127-13-5						1. Vide remark above.	Vide order above.
	30 Kerosine oil Tins	-	-	82-8--							
	September 1886.										
	6 Iron rolled beams Cwts: 71-2-21 with freight	-	-	504-15-3.							
	October 1886.										
	174 lbs: of Copper rods	-	-	90-7-8.							
	December 1886.										
	424 glass Panes (10"×8")	-	-	79-8--							

Provincial Statement of Objectionable Items in the Accounts of Executive Engineers for the month of December 1886 requiring the orders of Government.

Item No.	Particulars of each Item.	Month in the Accounts of which Objectionable Expenditure first appeared.	COMPARISON WITH ESTIMATE.			COMPARISON WITH APPROPRIATION OF THE YEAR.			Expenditure during the Month.	Opinion of the Superintending Engineer, with final Remarks by Examiner.	Orders by Government.
			Amount of Estimate.	Expenditure up to Date.	Excess over Estimate.	Amount of Appropriation.	Expenditure of the Year.	Excess over Appropriation.			
	Miscellaneous Irregularities.										
	Schedule of receipts adjustments & balance of Sales.										
2.	Works carried out prior to recovery of Estimated cost	-	-	-	-	-	-	-	.	2. As previously mentioned in Objectionable Items statement for September 1886 the Executive Engineer has stated that this irregularity would be put a stop to from October 1886, but ~~But~~ as it still continues, the matter is brought to the notice of Government.	This matter requires the special attention & consideration of the Supt. Engineer.
	Stock.										
3.	Reserve limit	-	-	50,000						3. The result of orders passed in G. O. No. 490 W dated 18 February 1887 is awaited.	The report called for in G. O. No. 490 W. d/18th Feby 1887 is awaited.
	Balance in hand at end of December 1886.	-	-	73,570							

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MW
8.3.87

O. C. Cunning

Examiner of P. W. Accounts,
Madras.

E.C.Fe
3/3.

R.P. 3/3

P 10/3

The Supdg. Engr. I Circle
thro'
The Examiner
P. W. Accts.

24th February 1887, No. 78, Marine.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

Read—the following paper:—

From the Hon'ble R. W. BARLOW, C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, dated Madras, 1st February 1887, No. 2057.

I have the honor to forward, for the information of Government, copy of Proceedings of the Harbour Trust Board at a meeting held at the office of the Harbour Trust Board on the 20th January 1887, the same having been confirmed at the meeting of the Trustees held on 27th January 1887.

Enclosure.

Minutes of the Proceedings of a meeting of the Trustees of the Madras Harbour, held at the offices of the Board on Thursday, 20th January 1887.

* * * * *

1. Read the minutes and confirmed the Proceedings of the last meeting, held on the 14th instant.

2. Read G.O., Mis. No. 13, dated 15th January 1887, declining to sanction a bonus of Rs. 1,500, being paid to Mr. Thorowgood, Superintendent, Madras Harbour Works, from Harbour Trust Funds.

Read also letter, No. 569 M., from the Superintendent, Madras Harbour Works, dated 20th January 1887, acknowledging receipt of letter from the Chairman, Harbour Trust Board, No. 1905, dated 18th idem, forwarding copy of above resolution, and thanking the Board for their action in the matter.

Recorded.

3. Read letter No. 545 M., dated 11th January 1887, from the Superintendent, Madras Harbour Works, requesting permission to purchase 200 tons of coal, at Rs. 24 per ton, from Messrs. Ramsay and Co.

Read also letters, dated 17th January 1887, from Messrs. Arbuthnot and Co., Gordon, Woodroffe and Co., and Wilson and Co., offering to supply the required quantity at Rs. 20-4-0, Rs. 16-12-0 and Rs. 16, respectively, and from Messrs. C. C. Bancroft and Co., offering a cargo of 2,500 tons at Rs. 19.

The Board observe that coal can be obtained in the local market at a much lower rate than offered by Messrs. Ramsay and Co.

Resolved that Messrs. Wilson and Co., Gordon Woodroffe and Co., and Arbuthnot and Co., be requested to forward to the Superintendent, each a sample ton of the coal they propose to supply, and that he be requested to examine samples and make the most economical arrangements.

4. Read letter No. 1755, dated 8th January 1887, from the Chairman, Harbour Trust Board, to the Superintendent, Madras Harbour Works, requesting the favor of his opinion in reference to note by Mr. Guilford L. Molesworth, C.E., upon the proposed north-east entrance to the Harbour, and sundry points in connection therewith, suggested by Captain Baddeley, R.E.

Read reply thereto from the Superintendent, Madras Harbour Works, No. 553 M., dated 14th January 1887, regretting that he is not prepared, just at present, to submit anything in the way of an alteration to the design of the Harbour, and saying that he awaited the instructions of the authorities at the India Office, to whom the question had been referred.

Read letter No. 1860, dated 15th January 1887, from the Chairman, Harbour Trust Board, to the Superintendent, Madras Harbour Works, stating that the Board do not desire any reference to be made to the India Office at present, as such action would be premature, but merely wished to be put in possession of the Superintendent's views, based on local experience, and that it should be withdrawn so far as being at the instance of the Board.

Read also reply thereto, No. 560 M., dated 17th January 1887, regretting that the reference had been made, and explaining that he had not the least intention of referring to the India Office; having only telegraphed to Mr. Parkes, who had replied that the question had been referred to the India Office, the point referred being as to whether the Superintendent was at liberty to carry out the Board's orders in this respect.

Recorded. The Board regret that Mr. Thorowgood should have considered it necessary to refer, by telegraph, to Mr. Parkes, without first communicating with the Chairman.

5. Read again the whole correspondence, minutes of Proceedings and resolutions of the Board, relating to the question of the contract for quarrying stone for the Madras Harbour Works at Pallávaram, together with all letters from the Superintendent, not previously before the Board, received and circulated up to date.

Resolved that the whole correspondence be submitted to Government, with a request that the Superintendent's position, as regards the Harbour Trust, may be clearly defined, as the trustees entirely disagree with Mr. Thorowgood's views of his relations to them.

In the present case, the Superintendent arrogates to himself the right to enter into a most important contract in direct opposition to the clearly expressed orders of the Board.

5(*a*). Read letter from Messrs. Grant and Laing, dated 19th January 1887, written on behalf of the father of the late contractor, Kazim Ali, regarding the quarrying of stone at Pallávaram. Read also letter enclosed, addressed by the Superintendent, Madras Harbour Works, No. 494 M., dated 20th December 1886, to the late contractor's father, agreeing to allow him to take on the contract of the late much lamented G. M. Kazim Ali Nakvy Sahib, at the same rates as he received, on trial for six months, when, by order of the Harbour Trust Board, fresh tenders would be called for.

Read also petition from G. M. Yahya Nakvy Sahib, father of the late contractor, praying that the contract may be continued to him.

Resolved that these letters be referred to the Board's Solicitors, with the remark that the Superintendent was not authorised to enter into the agreement alluded to.

6. Opened and examined eighteen sealed tenders, received by the Chairman, for the supply, from the Pallávaram quarries, of boulders and clean cut chips called for by advertisement.

The respective merits and rates of each tender were discussed at length, and considered in detail.

Resolved that the tender of Hajee Muhammad Abdulla Badsha Sahib be accepted.

7. Read letter offering to rent Carlton House, Ráyapuram, from 1st February next, at Rs. (150) one hundred and fifty per mensem, provided that the necessary repairs were executed before that date.

Resolved that the offer be accepted, but the Board do not bind themselves to execute any repairs beyond what they may think reasonable.

At 7-30 P.M., the meeting was adjourned with the resolution that the Trustees should meet in committee at 11 A.M., the next morning, to open and consider and report to the Board upon tenders still unopened before them for the supply of coolies for the Pier, Beach and Custom House, and for the construction of a hard for the storage of coal immediately to the south of the northern groyne. Resolved, also, that the Board re-assemble at 4 o'clock in the afternoon.

In conformity with this resolution, the Trustees met in committee at 11 A.M. on Saturday, 21st January 1887, when there were present:—

The Hon'ble R. W. Barlow, C.S., *Chairman.*
Mr. George King.
,, W. J. Eales.
,, G. D. Coleman.
M.R.Ry. A. Dhanacoty Mudaliyar Avargal.

Fifteen sealed tenders for the construction of a hard for the storage of coal were then opened, and it was unanimously decided to recommend for acceptance, by the Board, the tender of R. Veerasawmy Iyengar.

Four sealed tenders for the supply of coolies for the Pier, Beach and Custom House were then opened and discussed, and it was decided to postpone any decision on the subject, until the full Board met in the evening.

At 4 P.M., all Trustees, present the previous evening, re-assembled, the Hon'ble R. W. Barlow, C.S., in the chair.

Details of tenders received for the construction of a hard for coal were considered, and it was resolved that the tender of R. Veerasawmy Iyengar be accepted.

The tenders for the supply of coolies for the Madras Beach, Pier and Custom House were then carefully considered and discussed, and the various rates tendered, and shown in comparative statement, drawn up by the Secretary, scrutinised, previous correspondence read, and the various expressions of opinion, with which the Board have been favored, discussed.

Resolved that the tender of P. Ramanjooloo Nayudu and Sons be accepted; but the Board cannot consent to the insertion in the articles of agreement of any schedule of rates for various packages. The contractors will have to strictly abide by the terms of the agreement, and must make their own arrangements with merchants for all work performed by them under the contract, for which, according to the terms thereof, they are not entitled to remuneration direct from the Board.

ORDER—dated 24th February 1887, No. 78, Marine

Recorded.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
,, Port Officer, Madras.
,, Public Works Department.

Exd. F. R. Bantleman.

Govt. of {1887} Madras.

MARINE.

Issued

Recd. *Encl.*

G.O., 24th Feb. 1887, No. 78.

FEBRUARY.

Recorded

Harbour Trust Board.

Recording Proceedings of a Meeting of the — held on the 20th January 1887.

7th February 1887, No. 54, Marine.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

Read—the following paper :—

From the Hon. R. W. BARLOW, C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, dated Madras, 25th January 1887, No. 1965.

I have the honor to forward, for the information of Government, copy of proceedings of the Harbour Trust Board at a meeting held at the office of the Harbour Trust Board on the 14th January 1887, the same having been confirmed at the meeting of the trustees held on 20th January 1887.

Enclosure.

Minutes of the Proceedings of a meeting of the Trustees of the Madras Harbour, held at the Board's Offices on Tuesday, 14th January 1887.

* * * *

Read the minutes and confirmed the proceedings of the last regular meeting held on Friday, the 7th January 1887.

2. Read the minutes and confirmed the proceedings of the special meeting held on Tuesday, the 11th January 1887.

3. Read letter from the Superintendent, Madras Harbour Works, No. 549 M., dated 12th January 1887, protesting against the action of the Board in insisting upon his cancelling the arrangement made to carry on the work at the Pallávaram quarries for six months at the old rates, the same having been made on an emergency and when the Christmas intervening "prevented" his "receiving any precise order from the Board."

Read again letter, No. 474 M., dated 9th December 1886, from the Superintendent, Madras Harbour Works, reporting the death of the contractor, Kazim Ali, and resolution passed thereon on the 16th December 1886, resolving that tenders should be invited forthwith.

Read also letter from the Secretary, Harbour Trust Board, to the Superintendent, Madras Harbour Works, No. 1604, dated 18th December 1886, communicating the resolution and inquiring how the Superintendent proposed to carry on the work until the appointment of a new contractor.

Read again letter from the Superintendent, Madras Harbour Works, No. 493 M., dated 20th December 1886, stating that there were lying at the Pallávaram quarries about 20,000 tons of stone, quarried by the late contractor, whose father begged he might be allowed to carry on the work for six months, to which the Superintendent consented, on the understanding that the same subordinates were retained as hitherto employed.

Read also resolution passed thereon at the meeting of 21st December 1886, adhering to the Board's former resolution to invite tenders forthwith, and agreeing to take the 20,000 tons of stone already quarried at the old rates.

Read also letter, No. 1662, dated 22nd December 1886, from Secretary, Harbour Trust Board, to the Superintendent, Madras Harbour Works, communicating this resolution and stating that, in view of the Board's rejection of the proposal to carry on the work at the old rates for another six months, the chairman desired arrangements to be made to continue the contract until 31st January next only; such date not being likely to interfere with the harbour work for want of a successor promptly available, offers to carry on the business having already been received.

Read again letter, No. 508 M., dated 24th December 1886, from Superintendent, Madras Harbour Works, stating that he cannot close the work at Pallávaram by January 31st, as the stone on the ground belonging to the late contractor could not be cleared by that time, no diminution of quarrying having been ordered, and asking for a definite order of the Board before cancelling the arrangements to allow the old contract to continue in force.

Read also resolution passed thereon on the 7th January 1887, directing that tenders be invited for delivery on the 20th instant, and that a new contract be entered into from the 1st February 1887.

Recorded (letter No. 549). The Board observe that, prior to the Christmas holidays, the Superintendent was distinctly informed on two occasions, by letter, that tenders would be called for forthwith, the first instance being before his proposed arrangements had been communicated to the Board, and he was further informed before the holidays that no temporary arrangements should extend beyond the 31st January 1887. Mr. Thorowgood should at once communicate the decision of the Board to the father of Kazim Ali Nakoy, late contractor.

4. Read letter, No. 1799, dated 12th January 1887, from the Chairman, Harbour Trust Board, to the Superintendent, requesting an explanation as to the expression in his letter, No. 441 M., of 10th instant, "close the work on 31st January 1887," as the Board had no intention whatever to do so, but were, on the contrary, most anxious that no interruption should occur.

Read reply thereto, No. 550 M., dated 14th January 1887, explaining that the stoppage referred to the work at Pallávaram, as the Superintendent cannot conceive of any way of carrying out the Board's resolution, to accept all the stone already quarried at the present prices, without most carefully measuring up all such stone, which will of necessity take a long time, during which no quarrying must go on and no stone be removed.

Recorded. The Board are unable to see why the new contractor should not commence work on the 1st February next. The 20,000 tons of stone which the Board have agreed to take being more than a full month's supply, all further quarrying on behalf of the late contractor at the old rates should have been stopped by the Superintendent, to avoid the complications he now anticipates (letter, Mis. No. 549, of 14th January 1887). Mr. Thorowgood is requested to issue the necessary instructions to this effect forthwith.

5. Read Proceedings of the Madras Government, Mis. No. 5, dated 10th January 1887, recording a letter, No. 1340, dated 30th November 1886, addressed to the Chief Secretary to Government, Marine Department, by the Chairman, Harbour Trust Board, forwarding resolution of the Board, No. 2, dated 25th November 1886, in reference to the question of contribution from port tonnage dues.

Recorded.

6. Read letter from the Superintendent, Madras Harbour Works, No. 538 M., dated 10th January 1887, inquiring whether the cost of repairs to harbour buoys should be borne by the Port funds or Harbour funds.

Resolved that the charge be met from Harbour Trust funds.

7. Read endorsement order, No. 4609 C., dated 28th December 1886, from the Under Secretary to Government, Public Works Department, forwarding, for favor of information, letter, No. 4820, dated 22nd December 1886, from the Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, suggesting that a piece of ground be reserved by Government in the harbour, for the Public Works Store Department, for the purpose of erecting a building for the storage of packages awaiting shipment.

Resolved that the Harbour Trust Board are prepared to rent a piece of ground to the Public Works Stores Department, as desired, but that the plan and style of any building to be erected thereon should first be submitted for approval.

8. Read letter from the Superintendent, Madras Harbour Works, No. 535 M., dated 7th January 1887. Progress report of the Madras Harbour during the month of December 1886, and examined plan attached.

Recorded.

9. (*a*) Read endorsement order, No. 61 W., dated 8th January 1887, from the Under Secretary to Government, Public Works Department, communicating statement showing the estimated outlay against indents received in England up to the end of October 1886, for stores for the Public Works and Telegraph Departments.

(*b*) Read endorsement order, No. 42 W., dated 7th January 1887, from the Under Secretary to Government, Public Works Department, forwarding bi-monthly return of stores under provision by the Director-General of Stores for India up to 30th November 1886.

(*c*) Read statement of payments made in England on account of stores and freight; and of invoices despatched to India for the Madras Harbour Works during the month of November 1886.

Recorded.

10. Read G.O., Marine, No. 707, dated 30th December 1886, recording Board's Proceedings of 2nd December 1886.

Recorded.

ORDER—dated 7th February 1887, No. 54, Marine.

Recorded.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
" Port Officer, Madras.
" Public Works Department.

Exd. A. Raitt.

Order thereon no: 507 W.A./21/2/87

Recorded

(Sig) R. L. CB

Govt. of {1887} Madras.

MARINE.

Issued

Recd. *Encl.*

G.O., 7th February 1887, No. 54.

FEBRUARY.

Harbour Trust Board.

Recording proceedings of a meeting of the — held on the 14th January 1887.

24th February 1887, No. 78, Marine.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

Read—the following paper :—

From the Hon'ble R. W. BARLOW, C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, dated Madras, 1st February 1887, No. 2057.

I have the honor to forward, for the information of Government, copy of Proceedings of the Harbour Trust Board at a meeting held at the office of the Harbour Trust Board on the 20th January 1887, the same having been confirmed at the meeting of the Trustees held on 27th January 1887.

Enclosure.

Minutes of the Proceedings of a meeting of the Trustees of the Madras Harbour, held at the offices of the Board on Thursday, 20th January 1887.

* * * * *

1. Read the minutes and confirmed the Proceedings of the last meeting, held on the 14th instant.

2. Read G.O., Mis. No. 13, dated 15th January 1887, declining to sanction a bonus of Rs. 1,500, being paid to Mr. Thorowgood, Superintendent, Madras Harbour Works, from Harbour Trust Funds.

Read also letter, No. 569 M., from the Superintendent, Madras Harbour Works, dated 20th January 1887, acknowledging receipt of letter from the Chairman, Harbour Trust Board, No. 1905, dated 18th idem, forwarding copy of above resolution, and thanking the Board for their action in the matter.

Recorded.

3. Read letter No. 545 M., dated 11th January 1887, from the Superintendent, Madras Harbour Works, requesting permission to purchase 200 tons of coal, at Rs. 24 per ton, from Messrs. Ramsay and Co.

Read also letters, dated 17th January 1887, from Messrs. Arbuthnot and Co., Gordon, Woodroffe and Co., and Wilson and Co., offering to supply the required quantity at Rs. 20-4-0, Rs. 15-12-0 and Rs. 16, respectively, and from Messrs. C. C. Bancroft and Co., offering a cargo of 2,500 tons at Rs. 19.

The Board observe that coal can be obtained in the local market at a much lower rate than offered by Messrs. Ramsay and Co.

Resolved that Messrs. Wilson and Co., Gordon Woodroffe and Co., and Arbuthnot and Co., be requested to forward to the Superintendent, each a sample ton of the coal they propose to supply, and that he be requested to examine samples and make the most economical arrangements.

4. Read letter No. 1755, dated 8th January 1887, from the Chairman, Harbour Trust Board, to the Superintendent, Madras Harbour Works, requesting the favor of his opinion in reference to note by Mr. Guilford L. Molesworth, C.E., upon the proposed north-east entrance to the Harbour, and sundry points in connection therewith, suggested by Captain Baddeley, R.E.

Read reply thereto from the Superintendent, Madras Harbour Works, No. 553 M., dated 14th January 1887, regretting that he is not prepared, just at present, to submit anything in the way of an alteration to the design of the Harbour, and saying that he awaited the instructions of the authorities at the India Office, to whom the question had been referred.

Read letter No. 1860, dated 15th January 1887, from the Chairman, Harbour Trust Board, to the Superintendent, Madras Harbour Works, stating that the Board do not desire any reference to be made to the India Office at present, as such action would be premature, but merely wished to be put in possession of the Superintendent's views, based on local experience, and that it should be withdrawn so far as being at the instance of the Board.

Read also reply thereto, No. 560 M., dated 17th January 1887, regretting that the reference had been made, and explaining that he had not the least intention of referring to the India Office; having only telegraphed to Mr. Parkes, who had replied that the question had been referred to the India Office, the point referred being as to whether the Superintendent was at liberty to carry out the Board's orders in this respect.

Recorded. The Board regret that Mr. Thorowgood should have considered it necessary to refer, by telegraph, to Mr. Parkes, without first communicating with the Chairman.

5. Read again the whole correspondence, minutes of Proceedings and resolutions of the Board, relating to the question of the contract for quarrying stone for the Madras Harbour Works at Pallávaram, together with all letters from the Superintendent, not previously before the Board, received and circulated up to date.

Resolved that the whole correspondence be submitted to Government, with a request that the Superintendent's position, as regards the Harbour Trust, may be clearly defined, as the trustees entirely disagree with Mr. Thorowgood's views of his relations to them.

In the present case, the Superintendent arrogates to himself the right to enter into a most important contract in direct opposition to the clearly expressed orders of the Board.

5(*a*). Read letter from Messrs. Grant and Laing, dated 19th January 1887, written on behalf of the father of the late contractor, Kazim Ali, regarding the quarrying of stone at Pallávaram. Read also letter enclosed, addressed by the Superintendent, Madras Harbour Works, No. 494 M., dated 20th December 1886, to the late contractor's father, agreeing to allow him to take on the contract of the late much lamented G. M. Kazim Ali Nakvy Sahib, at the same rates as he received, on trial for six months, when, by order of the Harbour Trust Board, fresh tenders would be called for.

Read also petition from G. M. Yahya Nakvy Sahib, father of the late contractor, praying that the contract may be continued to him.

Resolved that these letters be referred to the Board's Solicitors, with the remark that the Superintendent was not authorised to enter into the agreement alluded to.

6. Opened and examined eighteen sealed tenders, received by the Chairman, for the supply, from the Pallávaram quarries, of boulders and clean cut chips called for by advertisement.

The respective merits and rates of each tender were discussed at length, and considered in detail.

Resolved that the tender of Hajee Muhammad Abdulla Badsha Sahib be accepted.

7. Read letter offering to rent Carlton House, Ráyapuram, from 1st February next, at Rs. (150) one hundred and fifty per mensem, provided that the necessary repairs were executed before that date.

Resolved that the offer be accepted, but the Board do not bind themselves to execute any repairs beyond what they may think reasonable.

At 7-30 P.M., the meeting was adjourned with the resolution that the Trustees should meet in committee at 11 A.M., the next morning, to open and consider and report to the Board upon tenders still unopened before them for the supply of coolies for the Pier, Beach and Custom House, and for the construction of a hard for the storage of coal immediately to the south of the northern groyne. Resolved, also, that the Board re-assemble at 4 o'clock in the afternoon.

In conformity with this resolution, the Trustees met in committee at 11 A.M. on Saturday, 21st January 1887, when there were present:—

The Hon'ble R. W. Barlow, C.S., *Chairman.*
Mr. George King.
„ W. J. Eales.
„ G. D. Coleman.
M.R.Ry. A. Dhanacoty Mudaliyar Avargal.

Fifteen sealed tenders for the construction of a hard for the storage of coal were then opened, and it was unanimously decided to recommend for acceptance, by the Board, the tender of R. Veerasawmy Iyengar.

Four sealed tenders for the supply of coolies for the Pier, Beach and Custom House were then opened and discussed, and it was decided to postpone any decision on the subject, until the full Board met in the evening.

At 4 P.M., all Trustees, present the previous evening, re-assembled, the Hon'ble R. W. Barlow, C.S., in the chair.

Details of tenders received for the construction of a hard for coal were considered, and it was resolved that the tender of R. Veerasawmy Iyengar be accepted.

The tenders for the supply of coolies for the Madras Beach, Pier and Custom House were then carefully considered and discussed, and the various rates tendered, and shown in comparative statement, drawn up by the Secretary, scrutinised, previous correspondence read, and the various expressions of opinion, with which the Board have been favored, discussed.

Resolved that the tender of P. Ramanjooloo Nayudu and Sons be accepted; but the Board cannot consent to the insertion in the articles of agreement of any schedule of rates for various packages. The contractors will have to strictly abide by the terms of the agreement, and must make their own arrangements with merchants for all work performed by them under the contract, for which, according to the terms thereof, they are not entitled to remuneration direct from the Board.

ORDER—dated 24th February 1887, No. 78, Marine.

Recorded.

(True Extract.)

H Stokes

Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
„ Port Officer, Madras.
„ Public Works Department.

Exd. F. R. Bantleman.

50724 21-2-87

P.W.C. No 1836

Govt. of (1887) Madras.

MARINE.

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7.3.87

8/3/87

Issued

Recd. 7.3.87 Encl.

G.O., 24th Feb. 1887, No. 78.

FEBRUARY.

Harbour Trust Board.

Recording Proceedings of a Meeting of the —
held on the 20th January 1887.

11/3