Mamooties 7 lbs	"	150	-	26 Feb.	J. Perks & Sons	-	Shipped per S.S. Manora (12 May).
Jumpers Steel 5 ft. 1¾" hole	"	6	-	5 Mar.	Buck & Co.	June	
Fireclay	Cwt.	4	-	5 "	Hickman & Co.	-	Shipped per S.S. Manora (12 May)
Fire Bricks	No.	250					
Soda Silicate	Gals	20	-	4 "	Bateman & Co.	-	" " S.S. Coromandel (5 May)
Calcium Chloride of	"	45					
For Dowlaishwaram Workshop							
Iron Round of sizes	Tons	16	-	2 Apl.	H. Harrington	July	
Square ¾" & ½" of each	"	3					
Angle of sizes	"	16					
T 3" × 3" × ¼"	"	3					
Sheet of sizes	"	26	-	29 Mar.	E. Corry	June	

⊗ Public Works Indt. d/ 15 Jan. 1886

Received 30 Mar. 1886. (7 119) - - 1886 19 Apl.

For Consulting Architect to Govt.:

Cast Iron Panels 1' 11" × 5½" for the Chemical Laboratory, Presidency College	No.	45	-	14 May	Macfarlane & Co.	July	
Hand Machine for making leaden sashes for glass windows with dies as demanded	"	1	-	14 "	Buck & Hickman	July	
Casting Iron Moulds	Set	1					

Tapes Metallic Measg. 50 & 100' of each	No.	6	-	19 Mar.	Chesterman & Co.	June	
Spirit Levels with adjusting screw	"	6	-	4 "	Elliott Bros	June	
Planes - Smoothing	"	18	-	9 Apl.	Buck & Co.	July	
Jack	"	36					
Trying	"	24					
Gouges of sizes	"	24					
Chisels Firmer of sizes	"	78					
Files Flat Bastard Taper 4"	"	48	-	19 Mar.	Andrews & Co.	June	
½ round " " of sizes	"	144					
Flat Smooth " "	"	120					
½ round " " "	"	84					
Saw Hand 6"	"	48					
" Tenon 4"	"	48					
Triangl. Smooth Taper of sizes	"	60					
Square " " "	"	72					
Saws Hand 24" & 20" of each	"	12	-	19 Mar.	Buck & Hickman	June	
" Tenon 14" Steel back	"	12					
" Dovetail 9" Brassback	"	6					
" Frame or Bow 9"	"	6					
Grindstones Bilston 30" × 4"	"	6	-	2 Apl.	Do.	-	Shipped per S.S. Manora (12 May).
Stones Oil Turkey in case	"	3	-	9 "	Do.	July	

Levelling Insts. Dumpy Cushings Reversible 14" with Stand	No. 16	-	26 Mar.	Cooke & Sons	Nov.	
Staves Levelling Telescopic	" 32	-	19 "	Tree & Co.	July	
Chains Iron Galvd. 100' with arrows	" 16	..	19 "	Chesterman & Co.	June	
Compasses Prismatic with Stand	" 14	-	26 "	W. F. Stanley	Aug.	
Scales Plotting Boxwood with offsets	" 18	-	11 "	Do.	June	
Tapes Metallic Measuring 100'	" 17	-	19 "	Chesterman & Co.	June	
Mathematical Inst. Boxes. 1st Class	" 1	-	11 "	W. F. Stanley	June.	
2nd "	" 4					
3rd "	" 15					
Rules Parallel Brass Rolling 18"	" 1					
12"	" 17					
Pentagraph 24"	" 2	-	11 "	Do.	Aug.	
Tracing Glass	" 1	-	11 "	Do.	-	Shipped per S.S. Navarino (26 May)
Straight Edges Brass 3 feet :-						
Graduated	" 1	-	2 Apl.	Tree & Co.	June	
Ordinary Plain	" 1					
For Kistna Eastern Divn.						
Boards Drawing 36" x 24"	" 2	-	11 Mar.	W. F. Stanley	June	
Chains. Brass 50' with arrows	" 2	-	19 "	Chesterman & Co.	June	
Iron Galvd. 100' " "	" 12					
" " 50 " "	" 12					

Hammers Sledge 12 lbs	" 70	-	22 Jan.	Buck & Hickman	-	40 } Shipped per S.S. Coromandel (5 May)
16 "	" 200					160 } & remr. per S.S. Manora (12 May).
Saws Hand 24"	" 4					
Shovels	" 200	-	22 Jan.	Dudley & Son	-	Shipped per S.S. Coromandel (5 May).
Padlocks Brass 6 levers with 2 Keys :- 3½"	" 13	-	11 Mar.	Hobbs Hart & Co.	-	Shipped per S.S. Navarino (26 May)
3	" 3					
2½	" 9					
Screws Jack to lift 10 Tons	" 6	-	22 Jan.	Buck & Hickman	-	" " S.S. Bengal (19 May).
" " " " Traversing	" 6					
Tarpaulins. 18' x 14	" 25	-	29 "	B. Edgington	-	" " S.S. Manora (12 May).
14 x 12	" 25					
Forges Portable Small	" 3	-	12 Feb.	Allday & Onions	-	" " S.S. Bengal (19 May).
Punch Bear Duplex from ½" to ¾"	1	-	22 Jan.	Tangyes Ld.	-	" " S.S. Coromandel (5 May)
Tube Cutter Wrench from ¼" to 1" and 1¼" to 2" with 1 spare Cutter to each	Set 1	-	22 Jan.	Buck & Hickman	-	

Wheels Light Steel for riding trollies 18" diam. 5'.6" gauge	" 12	-	1885 20 Nov.	Hadfields Steel Fdry Co.	-	Shipped per S.S. Manora (12 May).
Axles for Do.	" 6					
Pedestals for Do.	" 16	-	-	-	-	
Public Works Indt. d/ 11. Sept. 1885						
Received 13 Oct. 1885. (7.97)	-	-	23 Dec.			
				To be shipped to Coconada		
Boiler Tubular to replace an old boiler belonging to a Dredge working in the Godaveri Delta	No. 1	-	15 Dec	Marshall Sons & Co.	-	Shipped per S.S. India (29 Apl).
Public Works Indt. d/ 15 Oct. 1885						
Received 18 Nov. 1885. (7.102)	-	-	21 Dec.			
For Madras Harbour Works.						
Portland Cement	Tons 3,000	1,500	15 Dec.	Burge & Barron	-	1339^{18} shipped as before reported, 94^{10} per S.S. Almora (31 Mar), & remr. per S.S. Cormorant (17 Apl).
		1,500	15 "	Tunnel Cement Co.	June	900 shipped as before reported, 70 per S.S. Cormorant (17 Apl), 200 per S.S. Chyebassa (15 Apl) & 90 per S.S. Navarino (26 May).
Shifting Spanners - 1' long	No. 9	-	1886 22 Jan.	Buck & Hickman	-	Shipped per S.S. Manora (11 May).
9" "	" 3					

Curves in Boxes French		Sets	-	20 "	Do.	July
Railway		" 3				
Levelling Instruments -	15 inch	No. 20	-	22 Jan.	Cooke & Sons	July
Dumpy. Cushings Reversible	14 "	" 7				
with Stand. Book of Instns.	12 "	" 13				
with each Instrument.	10 "	" 6				
Mathematical Instrument Boxes:-						
1st Class		" 27	-	20 Feb.	W. F. Stanley	July
2nd "		" 32				
3rd "		" 7				
Pentagraph 24"		" 10				
Rules Parallel:-						
Ebony Rolling of sizes		" 27				
Brass Rolling in Mahogany cases. of sizes		" 19				
Rules Folding Boxwood 2'. 6" joint		" 23				
Scales. Marquois Boxwood		Sets 24				
Plotting. Boxwood. with offsets		" 48				
Boxwood. decimally divided		No. 100				
Mathematical Boxwood No. 8b						
Ordce. Survey - 6" to the mile		" 12				
Do. No. 8c. 12" -"-		" 12				
Do. " 8d. 1/2500 -"-		" 12	-	9 Apl.	W. F. Stanley	July

Service. Madras Public works

Bi-Monthly Return of Stores under provision by the Director-General of Stores for India up to 31. May 1886

India Office,
London,
4. June 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.

Ya 7790. 3000.—2/85. I. 2129.

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 d/ 24 October 1884						
Received 26 Nov. 1884. (6.82)	-	1884 29 Dec.				
Machinery						
Machine for cutting hot iron bars	No. 1	-	1886 28 May	Whitworth & Co.	1886 Oct.	
Riveting machine	" 1	-	28 "	De Bergue & Co.	Nov.	
Instruments.						
Theodolites 6" with Stand:- Transit	" 3	-	1885 3 Feb.	Cooke & Sons	-	Shipped per S.S. Coromandel (5 May).
Everest	" 2					
Indent d/ 26 Nov. 1884						
Received 24 Dec. 1884. (6.108)	-	1885 4 Feb.				
For Kistna Delta System						
Bellows Smiths' 36"	No. 6	-	1886 15 Jan.	Allday & Onions	-	Shipped per S.S. Coromandel (5 May).
For Dowlaishwaram Workshops						
Saws Hand 30"	" 24	-	1885 6 Mar.	Buck & Hickman	-	23 only shipped per S.S. Cormorant in July 1885, & the remaining one sent by Parcels Post of 28 April 1886.
Indent No. 7 d/ 14 Aug. 1885						
Received 22 Sept. 1885. (7.94)	-	28 Oct.				
For Madras Harbour Works						
Chilled wheels for Concrete Skip			1886			
trucks. 20" dia. 1½" bore	No. 48	-	3 Feb.	J. & W. McLellan		

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Public Works Indt. d/ 15 Oct. 1885 contd.						
For Madras Harbour Works contd.						
Brushes Paint Ground Round:-						
Nos. 4/0. 3/0. 2/0 & 1/0 of each	No. 4	-	1886 8 Jan.	S. Chadwick	-	Shipped per S.S. Coromandel (5 May)
" 1 and 2 "	" 6	-			-	
" 3, 4 and 5 "	Doz. 2					
Laces Leather for Machinery Belting	" 6	-	-	From Store	-	
Chisels Carpenters' 1½" & 1¼" of each	" 1					
1", ¾" & ½" "	No. 6					
Saws Hand 30"	" 6					
Planes - Trying	" 6	-	22 Jan.	Buck & Hickman	-	Shipped per S.S. Manora (12 May).
Jack 18"	" 8					
Smoothing 7" or 8"	" 6					
Braces Carpenters' with 36 Bits	" 2					
Public Works Indt. d/ 21 Nov. 1885						
Received 15 Dec. 1885. (7.104)	-	1886 19 Jan.				
Instruments.						
Chains Iron Galvd. 100' with arrows	No. 79	-	22 Jan.	Chesterman & Co.		Shipped per S.S. Coromandel (5 May).
Compasses Prismatic with Stand	" 40	-	5 Feb.	W. F. Stanley	1886 July	

A Y 9270. 10,000.—2/86. I. 2323.

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.
Public Works Indt. dd 21 Nov. 1885 contd.						
Instruments contd.						
Scales Mathematical Boxwood contd.:-						
No. 8e. Ordce. Survey - 1/500 to the mile"	No. 12					
" 8f. " 5' —"—	" 12					
" 8g. " 10' —"—	" 12	-	1886 20 Feb.	W. F. Stanley	1886 July	
Sets of 13. Marked No. 2, 4a, 4b, 5, 6, 8a, 8b, 8c, 8d, 8e, 8f, 8g, and 9	Sets 6					
Staves Levelling Sopwith's Telescopic 14' in 3 lengths	No. 38	-	29 Jan	Free & Co.	-	Shipped per S.S. Coromandel (5 May).
Straight Edge Brass 3 ft.	" 4	-	20 Feb	W. F. Stanley	July	
Tapes Metallic Measuring - 100'	" 125					
50'	" 125	-	22 Jan	Chesterman & Co.	-	Shipped per S.S. Coromandel (5 May).
Tools and Plant						
Axes Pick - 7 lbs	" 3386	-	-	- -	-	648 shipped as before reported,
		-	22 Jan	A. & F. Parkes & Co.	-	& remr. per S.S. Manora (12 May).
8 "	" 500	-	-	- -	-	Shipped per S.S. Manora (12 May).
Forges Portable. 36" × 30"	" 6	-	12 Feb.	Allday & Onions	-	" " S.S. Bengal (19 May).
Mamooties. 5 lbs.	" 1751	-	-	- -	-	600 } shipped per S.S. Coromandel (5 May)
6 "	" 1776	-	22 Jan	J. Perks & Son	-	90 } & remdr. per S.S. Manora (12 May).
7 "	" 391	-	-	-	-	Shipped per S.S. Manora (12 May).

A Y 9270. 10,000.—2/86. I. 2323.

Date and Number of Indent, when received by Store Department, and Description of Articles.	Quantity.	Date of Sanction by Sec^y 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.
Public Works Ind^t. d/ 2 Dec 1885		1886				
Rec^d. 23 Dec. 1885. (7.108)	- -	7 Apl.				
Ironwork for Bridges on the						
Calicut Vayitri Road.						
Wrought Iron Girder Bridges:-						
56' Clear Span	No. 1					
40' " "	" 2					
50' " "	" 2					
Ironwork for smaller bridges with						
W.I. superstructure, beams, flooring						
hand rails &c &c :-		-	1886 6 May	Westwood Baillie &Co.	1886 Oct.	
10' Span	No. 1					
12 "	" 2					
15 "	" 4					
16 "	" 1					
20 "	" 1					
21 "	" 1					
Public Works Ind^t. d/ 23 Nov. 1885						
Received 12 Jan 1886. (7.111)	- -	16 Feb.				

A Y 9270. 10,000.—2/86. I. 2323.

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 d/ 23 March 1885 contd.						
For Kistna Eastern Divn. contd.						
Compasses Beam Small	No 2	–	1886 26 Mar.	W. F. Stanley	1886 Aug.	
" Prismatic with Stand	" 3					
Levelling Insts. Dumpy Reversible with Stand 10" & 12" Of each	" 2	–	26 "	Cooke & Sons	Nov.	
Mathematical Insts. in Box. 1st Class	" 2					
2nd "	" 4	–	11 "	W. F. Stanley	June	
Pens Road	" 2					
Pentagraph 24"	" 1	–	11 "	Do	Aug	
Rules Folding Boxwood. 3'. 9" joint	" 6					
2'. 6" "	" 6					
Rules Par: Brass Rolling 12"	" 4	–	11 "	Do	June	
18" & 24" Of ea:	" 2					
Scales Boxwood Decimally divided	" 3					
" Holtzapffel's Cardboard. 24 to a set	Sets 2	–	11 "	Holtzapffel & Co	June	
" Ivory. Decimally divided	No 2					
" Marquois Boxwood	Sets 2	–	11 "	W. F. Stanley	June	
" Plotting "	" 2					
Staves Levelling Telescopic	No 12	–	19 "	Cree & Co	July	
Straight Edge Brass 3 ft	Set 1		2 April	Do	June	

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.
Public Works Indt. d/ 2 Dec 1885						
Recd. 23 Dec. 1885. (7.108)	— —	1886 7 Apl.				
Ironwork for Bridges on the						
Calicut Vayitri Road.						
Wrought Iron Girder Bridges:-						
56' Clear Span	No. 1					
40' " "	" 2					
50' " "	" 2					
Ironwork for smaller bridges with						
W.I. superstructure, beams, flooring						
hand rails &c &c:-			1886		1886	
10' Span	No. 1	—	6 May	Westwood Baillie & Co.	Oct.	
12 "	" 2					
15 "	" 4					
16 "	" 1					
20 "	" 1					
21 "	" 1					
Public Works Indt. d/ 23 Nov. 1885						
Received 12 Jan 1886. (7.111)	— —	16 Feb.				

Y 9270. 10,000.—2/86. I. 2323.

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 23 Nov. 1885 contd						
For Kistna Eastern Divn contd						
Turkey Slips for Gouges from ⅛" to ¾" in the round	No. 12	–	1886 9 Apl.	Buck & Hickman	1886 July	
Squares Carpenters' Steel Blade 12"	" 12					
6"	" 12					
Turnscrews 12", 6" & 3" of each	" 12					
Chisels Mortice of sizes	" 78					
Scribing Block	" 3					
Saw Sets for Hand Saws	" 6					
" Tenon "	" 6					
" Dovetail "	" 6					
Hammers Engineers'	" 24					
Vices Standing 100 lbs	" 12	=	5 Mar.	Wilkinson & Son	June	6 shipped per S.S. Navarino (26 May).
Bench 10½ "	" 6					
Saws Crosscut 6'	" 6	–	9 Apl.	Buck & Hickman	July	
Pliers Round nose	" 3					
" Flat "	" 3					
Planes Bead of sizes ¼ to 1"	" 12					
Braces Carpenters' with Bits	" 6					

A Y 9270. 10,000.—2/86. I. 2323.

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.
Public Works Dept. Lr. No 14/171 W d/ 17 Mar. 1886		1886				
Received 14 April 1886. (7.121)	- -	11 May				
Originally demanded in Public Works Indent d/ 21 Nov. 1885						
For Famine Relief Works.						
Reserve Stock.						
Hooks Bill 2½ lbs	No 4,000					
Hammers Stonebreaking 3 lbs	" 3,000					
Mamooties 6 lbs	" 20,000					
Public Works Indt. d/ 22 Apl. 1886						
Received 25 May 1886 (7.124)						
For the Supt'g. Engineer, 4th circle.						
Ironworks for the Cholady Bridge on the Vayitri Gudalore Road.						
W. I. Girder Bridge 2 spans of 50 feet each	Spans 2					

B. No 1127 W. 4. 5. 86
" 522 W. 26. 2. 86

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5 S. C

Recd 23/6/86

No. 1664 W. d/ 30th June 1886

B

Comd. to officers
concerned

Comd. to officers
concerned.

S. Es ✓ ✓ ✓ ✓
I, II, IV & V Circles 23/6/86
S. G. W. T. M. S.
C. A ✓
S. M. H. W. ✓
C. E. for I ✓

25. 6. 86

despd
Entd in R.R. 1886 10/7

Offg. 137/6-
24. 6. 86, R. 28. 6. 86

Rd 877