B. Inv 2772 W. 6—11—84
" 14 W. 5—1—85.
" 5535 W. 7—3. 85.

(2)

Dett 3768

51.C

Rec'd 9/4/85

B No 1105. Wgll 7th May/85

Communicated
to offices concerned.

CV.

30.4.85

3-5-85

S.E.'s I, II, III & IV Circles.
Supdg. M. H. W.
C.A. Wgtn.
Ch. Engr for Irrign

11/5

9/5

1-5-85 R.6-5-85

15/5

" Steampipes Various sizes	"	28					
" " Iron	"	360					
" " Smooth	"	288					
" Angle Steel "	"	288					
" " Smooth "	"	288					
" Round Iron "	"	1444					
" Lemon " 3"	"	26					
" Waterbeat Iron 1/2 size	"	24					
Rubber Hammered 2 1/2 - 6" Print	"	6					
Studbolts 1/2 size	"	48					
Nuts for 1/2 diam.	"	4	"	"	28 Feb.	Weall & Co's	May
Gauges Iron 1" 3/4 + 1/2" 1/2 Steel	"	6					
Throw Stop 4 Jack " "	"	36					
Gauges Socket 1 1/4 " 1 1/2" " "	"	6					
Plane Stock Rabbet - 2"	"	1					
" " " 1 1/2"	"	2					
" " " 1"	"	3					
" " " 3/4"	"	3					
" " " 1/2"	"	3					
" Fluyk	"	6					
" Steel, 1/2 3/4 1 1 1/4 1 1/2" Each	"	3					
Plans, Common Cutting	"	12					

Iron round, 1/2 Size	Tons	15				
" square "	"	8				
" flat "	"	18				
" angle "	"	8				
" T "	"	4				
" Sheet "	"	30				
Steel Octagon "	"	2	"	14 Mch.	Howell & Co.	May
Iron Pig Carlsberrie N: 1	"	30	"	6 "	Baird & Co.	" Shipped per S.S. Clan Macintosh (A. Ak.).

Indent dy. 18 Dec. 1884.
Received 14 Jan. 1885 (6.121)

1885
10 Mch.

For Stock

Pumps Centrifugal, with Suction & discharge pipes complete:—

8" diameter	N: 1	} "	"	13 Mch.	W. H. Allen & Co.	June
6" "	" 1					

Pumps double-barrelled, portable, with suction & discharge hose & nozzle	No	1				
Winch Crab with single & double purchase, to lift 3 tons	"	3				
Iron Plate 4' x 2½' x 3/16"	"	20				
" " 8' x 3½ x 3/16"	"	20	20	Mch.	E. Corry	June
" Flat BBB.S, of sizes	Tons	6				
" Round " 1¼" for bolts	"	3	6	"	Pat. Shaft Co.	May
Steel square 5/16"	Cwt	1	14	"	Howell & Co.	May
Marline	Lbs.	50	5	Feb.	Sood & Son	Shipped per S.S. India (19 Mch.)
Ash Oars 14/ft.	No	20				
" " 15 & 12/ft. of each	"	12	14	"	Nelson Dock Co.	Apr.
Chain Wrot. Iron 5/8" diam.	Ft.	300	27	"	Hawks Crawshay	May
Rules 2/ft. 4/fold narrow	Doz.	1	28	"	Buck & Co.	May
Measuring Tapes metallic 100/ft.	No	6				
" " " 66 "	"	6	5	"	Chesterman & Co.	Shipped per S.S. Tasmania (7 Apr.)
" " " 50 "	"	6				
Leather English Hides, thick Butt	"	6	5	"	Hepburn & Sale	S.S. India (19 Mch.)
Leathers for pistons of hydraulic Cranes, as demanded	"	36	17	"	G. & W. Almond	Apr.
Fishing Dresses J. R. large size	"	12				
Stockings for Divers, inside & outside, of each	Prs.	50	20	"	Siebe & Gorman	Shipped per S.S. Tasmania (7 Apr.)

Locks Pad Brass 3½"	17					
" " 3"	25	5 Feb.	Chubb & Co.			Shipped per S.S. Tasmania (7 Feb.)
" " 2½"	22					
Raw hide Rope 4½", each 10 ft. long with loop at each end fitted with galv.d iron thimble	50	20 Mch.	Johnson & Co.	June		
Rope Manilla, 4½", 3½" & 6½", of each	Coils 3	24 Jan.	W. Good & Son			Shipped per S.S. India (19 Mch.)
" Hemp tarred 3½" & 4½"	3	9 Jan	The Admiralty			" S.S. Algitha (24 Feb.)
Composition for preserving stone:—						
Silicate	Gallo. 100	13 Mch.	A. H. Bateman & Co.	June		
Calcium	100					
Iron B.T.B.S. Round, of Sizes	Tons 36					
" " Flat "	15½	14 Feb.	E. Corry	May		
" " Angle "	12					
" Plate, as detailed in the previous Return		26 Mch.	Do.	June		
Channel Iron	Bars 530					Supply awaits answer to Lr. to the Sec. to Govt. Public Works Dept. dy. 29 Jan. 1885, asking for further dimensions.
Steel Sheet 4'×2'× 1/10"	Shts. 4					
" " " 1/8"	4	14 Feb.	Bolles Bros			Shipped per S.S. India (19 Mch.)
" " " 3/16"	4					
" Wire 3/16", 1/4", 5/16", 3/8", 7/16" & 1/2", of each	Lbs. 200	5 Feb.	Johnson & Nephew	Apl.		
Fine Cement Screws	" 4	20 Feb.	Chapple & Son	May		
Steel Girders	" 2	" 27	St Bleaney & Co.	Apl.		
Screw Jacks 12 Ton, Raising	" 4					
Hydraulic Jack 100 Ton, with Safety Valve, Pump, Rack & Pinion complete	" 1					
Jack Screw cutting, with Set Gear	" 1					
Jib Crane, as demanded	" 1					
Milling Machine, as demanded	" 1					
Slotting " "	" 1					
Stocks & Dies Assorted as demanded						
Iron ¼" to 1"	Tons 1	20 Feb.	Hy. Lakeman & Co.	May		
Asphaltic Boiler with Mastick						
Pump	No. 1	" 20	Brennan & Co.	May		
Copper Steam Pressure ¾" diam from ½" to ⅝" " 1						
" " ½" " ½"		28 "	Tuckett & Hickman	May		
Comprising Fittings as Table						
	Tare No. 1					
Steam Jacketed Autoclave Sele-	2	29 Jan	Stella Art Co.			Shipped per ss Stella (19 Inst.)
Large Table 2½' diam. Cast Iron	No. 16					Removed cancelled by Ltr. from Mr. Parker dy. 3 Mch. 1885.
Boiler Tinned double Shell Spare:						
for 2" pipe	Tons 4					
" 1½" "	" 4					" 24 Feb. The Admiralty Hamilton

Electrum 1st class	20					
Brass 2nd "	41	- -	26 Feb.	W. F. Stanley	June	
" 3rd "	59					
Plane Tables, with stand	10	- -	24 Jan.	W. F. Stanley	- -	Shipped per S.S. Tasmania (7th.)
Rules parallel rolling:—						
ebony 24"	14					
" 18	10					
" 15	6					
" 12	12					
brass 24	12	- -	28 Feb.	Do.	June	
" 18	15					
" 15	20					
" 12	18					
Rules folding boxwood 2ft., 6" joint	16					
" " " 12" "	7					
Scales Marquois boxwood	Sets 5	- -	26 Feb.	Do.	June	
" plotting " , with offsets	9					
" Holtzapffel's cardboard	1	- -	26 Feb.	Holtzapffel & Co.	- -	Shipped per S.S. Tasmania (7th.)
Staves levelling telescopic	No. 151	- -	16 Jan.	Elliott Bros.	- -	50 shipped per S.S. Valetta (11 Mch.) & rmr. per S.S. Tasmania (7th.)
Straight-Edges brass 3ft.	12	- -	5 Feb.	Do.	- -	Shipped per S.S. Tasmania (7th.)

	with Cocks, 4	1		
	" $\frac{3}{4}$ "	1		
	" $\frac{1}{2}$ "	1		
Riveting Machine, stands $\frac{3}{4}$ rivets				
	Hammer	1	-	-
Pulsometer Steam Pumps:-				
No 4, with boiler, to pump to the attached tanks Mounted on skids		1		
No 5, with boiler		1		
6, " detached boiler, 30 ft.				
Shifting & fitting's complete		2		
Crabs double handed:-				
10 Cwt- 2 Coms		2		
4 "		2		
5 "		2		
Crane portable 4 ton		1	-	-
Emery wheel for polishing work		1	-	-
Machine Nut-Shaping		1	-	-
Emery Wheels for Saw-Sharpener:-				
	12" x $\frac{1}{2}$"	6		
	12" x $\frac{3}{4}$"	6		

Service. Madras Public Works

Bi-Monthly Return of Stores under provision by the Director-General of Stores for India up to 31 March 1885.

India Office,

London,

10 April 1885.

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 7207. 2000.—8/84. I. 974.

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 dy. 24 Oct. 1884 cont.d						
Band-Saw Machine, with self-acting canting table, to cut about 8"	No. 1		1885		1885	
Band-Saw blades spare			14 Mch.	Worssam & Co.	June	
$\frac{3}{8}$" : $\frac{1}{2}$" : $\frac{5}{8}$" : $\frac{3}{4}$" : $\frac{7}{8}$" + 1" of each	" 4					
Band-Saw brazing apparatus	" 1		28 Feb.	Do.		Shipped per S.S. Tasmania (7 Pk.)
Planing Machines, as demanded:-						
to plane 3ft. in length	" 1					
" 4ft "	" 1		26 Feb.	Dean Smith & Grace	Aug.	
" 5ft. "	" 1					
Lathes Sap, with chucks, tools & countershafts, as demanded:-						
Sliding & Surfacing, Screw-cutting	" 1	-	-	-	-	Supply awaits answer to Ltr. from the Inspector Genl of Railway Stores to the Secy. to Govt. Public Works Dept. Madras dy. 23 Jan. 1885.
Screw-cutting	" 2	-	-	-	-	
Machine for cutting hot iron bars	" 1	-	-	-	-	Supply awaits answer to Ltr. to the Indenting Officer dy 27 Feb. 1885, as to cost.
Bolt Screwing Machines with						

(Madras Public Works)

Indent dy. 29 Oct. 1883 (6-1)
Received 10 Apr. 1883
from Store dy. 30 June 1884 22 Apr. 1884 9 Feb. 2 Corry - - all stopped as letter received 25 Feb. 1885 stating no steps to be taken.

Ltr. from Mr. Tabor dy. 3 July 1884
Received 12 July 1884. (6-67) 22 July 1884
for the Madras Architecture works.

Carpenter's Chest No. 2 21 days Leather Trunk 1885 May
" Instruments for Testing " 1 - - 13 - Ramsome & Sons Taylor May

Indent dy. 16 Aug. 1884.
Received 16 Sept. 1884. (6-76) 1884 23 Oct.
for Madras Reference, Port Department
Metric Weights 6" No. 12
" " 4" " 7 - - 7 Jan. Metric Manufacturing Co. The supply awaits answer to Ltr. from Madras Govt. Public Works Dept. dy. 24 Oct. 1884.

Indent dy. 11 Sept. 1884
Received 17 Oct. 1884. (6-79) 1884 5 Dec.
for the Madras Engineer Duties

Ya 6607. 10,000.—2/84. I. 3265.

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 dp. 24 Oct. 1884 cont?						
Set squares, of sizes, Vulcanite	Sets 11					
Squares T, 36"	No. 4		1885		1885	
" " 30" & 20" of each	" 8		26 Feb.	W. F. Stanley	June.	
" " 24"	" 6					
Theodolites transit 6", with stand	" 3					
" Everest 6" " "	" 2		3 Feb.	Cooke & Sons	Sept.	
Tapes Metallic Measuring 100 ft.	" 163					
" " " 50 ft.	" 64		16 Jan.	Chesterman & Co.		Shipped per S.S. Tasmania (7 Apr.)
Thermometers, Self. registering: —						
maximum	" 8					
minimum	" 9		16 Jan.	L. Casella	Apr.	
" Standard	" 3					
Tools & Plant (6.86)						
Axes Pick 10 lb.	" 500					
" " 7 lb.	" 2,614		29 Jan.	Parkes & Co.	May	
" Felling 5 lb. without handle	" 500		13 Mch.	Buck & Hickman	June	
Augers Iron Spiral $\frac{1}{2}$", $\frac{3}{4}$", $\frac{7}{8}$" & 1" of each	" 24					
" " " $\frac{5}{8}$"	" 6		13 Feb.	Do.	June	
Block Tackle [illegible]						
[illegible]						

Ya 6607. 10,000.—2/84. I. 3265.

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 dp. 24 Oct. 1884 cont?

Instruments (6.84)

Barometers Aneroid Pocket, reading to 10,000 ft. No. 12 — 1885 16 Jan. A. Casella — 1885 Mch.

Chains Gunters 66 ft. 20 " 16 " W. F. Stanley — Shipped per S.S. Indus (19 Mch.)

Compasses Beam Improved 4 " 9 " 26 Feb. Ap. June

" Mariners " 17 " " "

" Pocket, sighting, with Stand Set 1 " " "

Ink, bottle, sighting, with Stand No. 24 — 16 Jan. Watts Son & Co. Mch.

Level, Dumpy, in Case " 9 " 16 " 9 Feb. — Shipped per S.S. Tasmania (4 Mch.)

Levelling Instruments Mounted Universal:—

14 " 20 "

12 " 12 " 3 Mch. Cooke Troughton & Simms

10 " 14 "

Measures Glass Proof 1/2 Pint Square 10 oz. — 50 — 29 Jan. Negretti & Zambra — Shipped per S.S. Valetta (11 Mch.)

Ya 6607. 10,000.—2/84. I. 3265.

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 5 dy 17 Oct. 1884.		1885				
Received 10 Dec 1884 (6.104)		27 Jan				
For the Madras Harbour Works						
New Boiler for Goliath Crane, with fittings &c. as demanded	No 1					
Fishbars Spare for Do	" 25					
Rails Steel 75lb. flat-bottomed	Tons 300		1885 27 Feb.	Bolckow Vaughan & Co.	1885 May	
Fishplates for Do	No 2,400		27 "	Do	May	
Fishbolts for Do	" 4,800		27 "	Pat. Nut & Bolt Co.	May	
Dog Spikes for Do	" 20,000					
Steel Rails 50lb. flat-bottomed	Tons 250		27 "	Tons & Co.	May	
Fishplates for Do	No 2,500					
" bolts " "	" 5,500		27 "	Pat. Nut & Bolt Co.	May	
Dog Spikes " "	" 20,000					
Crossings for 75lb. rails, angle in 10	No 8					
" " " 50 " " " "	" 12					
Points " 75 " " " "	" 8					
" " 50 " " " "	" 12					
Rails Extra Switch for replacing 75lb. with 75lb. Rails	" 24					

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: 5, of 1884 cont.d.						
For Madras Harbours Works cont.d						
Diving Solution	Tins 12					
Air Pipe for Diving Pumps, 50ft.	No: 6		1885 20 Feb.	Siebe & Gorman		Shipped per S.S. Tasmania (7 Ap.)
" " " 40ft.	" 6					
Wheels & Tyres spare, 2 7/8" inside diam. 5" wide, 2 1/8" thick outside	" 48					
Ironwork for Block-Trucks, including Wheels & Axles	" 6					
Springs Steel for Buffers of Loco. and Block Trucks	" 24					
Gauge Glasses 15 1/2" x 3/4"	Dz. 3		7 Feb.	Regnitir Zambra		
" " 15 x 9/16"	" 2					
India Rubber Sheet 12'x3'x 2/16"	Sht. 1		7 Feb.	India Rubber Co.		Shipped per S.S. Tasmania (7 Ap.)
" " " x 1/8"	" 1					
Bolts Iron 3/4" diam } as demanded	No: 2,000		27 Feb.	W. Barwell	1885 June	
" " 1/2" " }	" 2,000					
Cement Portland	Tons 1,000		13 Feb.	Robins & Co.	May	178 11/20 shipped per S.S. India (19 Mch.)
Wrot Iron Plates 12" x 2" x 1"	No: 5300					

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 dy. 26 Nov. 1884 cont?						
For Kistna Delta System cont?			1885		1885	
Grindstones 30"×4"	No. 3	" "	27 Feb.	Buck & Hickman	Ap.	
Gouges, of size	" 18					
Glass Cutter	" 2					
Planes Smoothing	" 12					
" Jack	" 36					
" Trying	" 24					
Saws hand 24"×20" @ each	" 12					
" " tenon 14"	" 6					
" " dovetail 9"	" 6	" "	6 Mch.	Buck & Hickman	May	
" " bow for cutting metal, with 6 spare blades	" 3					
Stones Oil Turkey in case	" 3					
Squares Carpenters' Steel blade 6"	" 6					
" " " " 12"	" 6					
" Engineers' Steel 12"	" 4					
" " " 6"	" 6					
Turkey Slips for gauges &c						

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 dy. 26 Nov. 1884 cont?						
For Dowlaishwaram Workshop cont?			1885		1885	
Rasps	No. 24	- -	13 Mch.	Howell & Co.	Aug.	
Saws Key hole	. 6					
" hand for cutting metal	. 6					
" bow - - Screws	. 6					
" rip per 32"	. 24	- -	6 Mch.	Buck & Hickman	May	
" hand 30"	. 24					
" tenon 14"	. 12					
" dovetail 9"	. 6					
Squares 18"	. 6					
" 6"	. 24					
Stones Oil Turkey in case	. 24					
Screw plates with taps from $\frac{1}{10}$" to $\frac{3}{8}$"	. 3					
Spring Compasses	. 6					
Stocks Taps & Dies to cut screws:-						
from $\frac{1}{4}$" to $\frac{3}{4}$"	Set 1					
" $\frac{7}{8}$" to 2"	" 1					
Vices hand 6"	No. 12	- -	27 Feb.	Buck & Hickman	Apr.	
" Parallel	" 6					

I Encl

Indent dy. 26 Nov. 1884 -

Portmanteaus Office Stationery & Miscellaneous Articles

Mapping Slate $12\frac{1}{2}$" & $12\frac{1}{4}$"	each	No. 6				
" " $12\frac{1}{2}$" $12\frac{1}{4}$" $8\frac{1}{2}$" $8\frac{1}{4}$"		" 12				
Timeo Cartometers with 36 Circles		" 6				
Chaseley 2 Inner $\frac{1}{2}$" $\frac{1}{4}$" $\frac{1}{10}$" $\frac{3}{4}$" $\frac{1}{2}$" $\frac{1}{4}$"		" 24				
Mallets $\frac{1}{2}$" $\frac{3}{8}$" $\frac{1}{4}$"		" 8				
Sockets $\frac{1}{2}$" $\frac{1}{4}$" $1\frac{1}{2}$" $\frac{1}{4}$" $\frac{3}{4}$" $\frac{1}{2}$" $\frac{1}{8}$" $\frac{1}{4}$"		" 6				
Tilco flat rough ground		" 432				
" Bastard		" 432				
" Smooth		" 432				
" Safe-edge Bastard ground		" 120				
" $\frac{1}{2}$ round Bastard ground		" 432				
" Flat safe-edge smooth ground		" 120				
" $\frac{1}{2}$ round Smooth ground		" 432				
" square Bastard "		" 432				
" " smooth "		" 408				
" round Bastard "		" 336				
" " smooth "		" 240				
" Warding Bastard "		" 240				
" " smooth "		" 240				
" Rasp cut