Public Works (1899) Department.

G.O., No. 2032 W

DATED 3rd August 1899.

[Despatch Abstract.]

Correspondence:

Secy: Marine Deptt, recording letter from the Secretary P.W.D., India Office, acknowledging ~~receipt~~ receipt of certain ——— to the address of the Secretary of State, recorded.

Jr

[P. W. 2 / 2,000—29-3-99.]

Indexed. WS

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Public Works

~~Financial~~ (1899) Department.

CURRENT No.

From The Marine Department

Order No 20326 8/3-8-99

Recorded.

No. 684 marine

Dated 20-7-99.

Received

Registered

Enclosures

Spare copies

SUBJECT.

Correspondence:

Recording letter from the Secretary P.W.D, India office, acknowledging the receipt of certain —— to the address of the Secretary of State.

0 2 9 3 4 2

BACK PAPERS.

G.O.	No.	Department.	Date.
2843 w 3/A			8.11.98.
352 w 3/4			4.2.99.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Marine

~~Public Works~~ Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Secretary P. W. D.

Letter from the India Office, London

dated 23rd June 1899:—

I have to inform you that the letters of the numbers and dates noted in the margin, from the Government of Madras to the address of the Secretary of State for India, have been received.

S. | No. 3 Public Works, dated 8th Novr. 1898.
" 2 Marine, " 10th Jany 1899
" 6 (Marine) " 23rd " "
" 1 P. W. " 4 Feb. "
" 7 Marine " 24th " "
" 8 Marine " 28th March "

S. Transferred to Stores Dept.

Checked

Order thereon: No. 684 Marine, dated 20th July 1899.

Recorded.

(True Extract)

for Secretary to Govt.

To

The P. W. Department.

Ord 29/24-7-99

[P. W. 40. 1,000—6-3-99.]

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honourable the Secretary of State for India.

No. $\frac{3}{A}$ 2843 W., dated 8th November 1898.

FORWARDING, with remarks, a [statement showing the period taken between the despatch of indents from Madras in 1897 and the receipt of stores during the months from January to August 1898.

No. $\frac{3}{\text{A}}$ $\frac{2843\ \text{W.}}{}$, 8th November 1898.

PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honourable the SECRETARY of STATE for INDIA.

My Lord,

We have the honour to refer your Lordship to correspondence ending with your Lordship's Public Works (Stores) despatch No. 1, dated 26th November 1896. Our letter No. $\frac{22}{2661}$ W., dated 18th September 1896, to which that despatch was a reply, brought to notice the delay which occurred in England in complying with indents from this country for stores for our Public Works Department, and we then laid before your Lordship a statement, prepared by our General Superintendent of Public Works Stores, giving typical instances of such delay. As remarked by the Director-General, that statement was not prepared with sufficient care, as the stores about which complaint was made should have been specified, and the dates of despatch from Madras of the various indents should have been quoted. We regret that it was not drawn up in a more intelligible form.

2. We now have the honour to forward a statement showing the period taken between the despatch of indents from Madras in 1897 and the receipt of the stores during the months from January to August 1898. In paragraph 3 of your Lordship's despatch the ordinary limit fixed for the despatch of stores was five months, and only items that have taken longer than that time have been included; and those articles regarding which references were made to Madras by the India Office, and delay in the supply of which was probably caused by such inquiries, have been excluded. In the remarks column of the statement, a brief note has been made of the inconvenience entailed in certain cases by late arrival of stores.

3. It will be seen that many of the items were under supply for over seven months, and that in several cases more than a year elapsed between the date of the indent and that of receipt of the stores in this country. Complaints are still frequent from our Public Works officers of the delays which unavoidably occur in the execution of works owing to the late receipt of English supplies, and we trust that it will be found possible to make arrangements to secure greater despatch in this matter.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.
(„) H. W. BLISS.
(„) A. T. ARUNDEL.

Fort St. George,
8th November 1898.

STATEMENT showing the time taken between the despatch from Madras of indents for stores and the receipt from England of the stores indented for.

Month and date of arrival of English stores.	Name of steamers.	Port of shipment.	Number and date of indent.		Date on which indent left Madras.	Contents of packages.		Period between date of despatch of indent and receipt of stores.	Remarks.
			No.	Date.					
3rd January 1898.	S.S. "Clan Monroe" ..	London ..	1	11th January 1897.	4th March 1897.	Blocks, iron, galvanized ..	1 case ..	9 months and 30 days.	
4th „ „	S.S. "City of Dublin".	Do. ..	1	11th „ „	4th „ „	Nuts, iron, block, hexagon ..	2 casks ..		
17th „ „	S.S. "Ameer" ..	Do. ..	1	11th „ „	4th „ „	Enamelled iron gauges ..	6 cases ..	10 months.	
24th „ „	S.S. "Mombassa" ..	Do. ..	7	18th June „	11th August „	Stone oil, Turkey	....		
8th February „	S.S. "Rewa" ..	Do. ..	1	11th January „	4th March „	Iron, Swedish, flat	5 bundles ..	10 months and 13 days.	
						Do. round	10 „ ..		
						Channels, steel	170 loose ..	5 months and 13 days.	
						Planes, trying and jack, with iron.	1 case ..		
						Irons for plane double and planes smoothing with double iron.	1 „ ..		
						Bolts, door, iron, light ..	1 „ ..		
						Iron gauges	13 cases ..		
						Tapes, measuring, 6' long ..	1 case ..		
8th „ „	S.S. "Clan Matheson".	Do. ..	1	11th „ „	4th „ „	Nuts, iron, block, hexagon ..	1 cask ..		
						Rivets, iron, pan head	4 casks ..		
						Wire, steel, hard	1 bundle ..	11 months and 4 days.	
						Iron, flat, loose	46 bars ..		
						Angle iron	83 „ ..		
						Flat iron bundles	112 bundles ..		
						Square iron bundles	40 „ ..		
						Round do.	18 „ ..		
						Angle do.	35 „ ..		
						Sheets, iron	12 „ ..		
						Do. loose	108 sheets ..		
						Chain, iron, short link ..	2 casks ..		
20th „ „	S.S. "Golconda" ..	Do. ..	1	11th „ „	4th „ „	Chesterman's tapes	1 case (with other stores).	11 months and 16 days.	
			3	29th May „	14th July „	Cement-testing machines ..	2 cases ..	7 months and 6 days.	
6th March „	S.S. "Ghoorka" ..	Do. ..	4	19th July „	22nd Sept. „	Patent tube cutter and wrench combined, patent chain pipe, wrench screws, plates, &c.	1 case ..		
						Saws, sets, compasses, carpenters' adges, carpenters' hookbills, &c.	1 case ..	5 months and 12 days.	
						Coal tar refined	7 casks ..		
						Light oak and chocolate ..	20 drums ..		
15th „ „	S.S. "Clan Grant" ..	Do. ..	11	21st „ „	22nd „ „	Steel plates	336 loose ..		
						Steel sheet	10 „ ..		
						Flat iron	128 bars ..	5 months and 21 days.	
						Chains, iron, in length ..	7 loose ..		
							T. CWT. QRS. LBS.		
			8	19th „ „	22nd „ „	Pig iron	29 19 2 19		

Statement showing the time taken between the despatch from Madras of indents for stores and the receipt from England of the stores indented for—*cont.*

Month and date of arrival of English stores.	Name of steamers.	Port of shipment.	Number and date of indent. No.	Number and date of indent. Date.	Date on which indent left Madras.	Contents of packages.		Period between date of despatch of indent and receipt of stores.	Remarks.
19th March 1898.	S.S. "Manora" ..	London ..	1	11th January 1897.	4th March 1897.	Monkeys, wrenches, screws coach.	1 case ..	1 year and 15 days.	
						Planes, jack with iron ..	1 ,, ..		
						Locks with duplicate keys, drawers and box with 4' lever.	1 ,, ..		
			4	19th July ,,	22nd Sept. ,,	Steam gauges, &c.	1 ,, ..	5 months and 25 days.	
			8	19th ,, ,,	22nd ,, ,,	Vice bench standing, &c. ..	1 ,, ..		
						Compasses, prismatic, &c. ..	1 ,, ..		
						Stands for above	1 ,, ..		
21st ,, ,,	S.S. "Clan Robertson" ..	Do. ..	11	21st ,, ,,	22nd ,, ,,	Mamooties	31 casks ..		
			4	19th ,, ,,	22nd ,, ,,	Delta metal No. 1	320 ingots ..		
			8	19th ,, ,,	22nd ,, ,,	Grinding stone	3 crates ..		
						Pickaxes	26 casks ..	5 months and 27 days.	
			22	24th Nov. 1896.	4th March ,,	Mamooties	18 ,, ..		
						Gauges to ascertain the rain off from the catchment basin of rivers and streams.	18 cases ..	1 year and 18 days.	
			11	21st July 1897.	22nd Sept. ,,	Chains, iron, short link ..	13 loose ..	5 months and 27 days.	
29th ,, ,,	S.S. "Cransay" ..	Do. ..	1	11th Jan. ,,	4th March ,,	Rivets, iron	8 casks ..		
						Planes, jack, with 2¼" iron ..	1 case ..	1 year and 25 days.	
						Planes, smooth, with 2¼" iron ..			
6th April ,,	S.S. "Matiana" ..	Do. ..	1	11th ,, ,,	4th ,, ,,	Brass locks	1 ,, safety..		
			1	11th ,, ,,	4th ,, ,,	Files, of sizes	5 cases ..	1 year, 1 month and 2 days.	Owing to this delay, 24 files of sizes were purchased locally on 1st March 1898 for work in the Instrument Department of the Workshops.
			4	19th July ,,	22nd Sept. ,,	Leather belting	1 case ..	6 months and 15 days.	
			11	21st ,, ,,	22nd ,, ,,	Brushes, Varnish Camel hair, Buckets, iron, galvanized.	2 ..		
			10	11th August ,,	15th Oct. ,,	Rolled steel joists	72 loose ..	6 months and 15 days.	Great inconvenience was caused by delay in receipt of these.
						New lamps of the pattern No. 6, Cathedral lamp, &c.	1 cask ..	5 months and 22 days.	
8th ,, ,,	S.S. "Clan Cameron" ..	Do. ..	4	19th July ,,	22nd Sept. ,,	Globes, chimneys, wicks for above.	1 ,, ..		
			8	19th ,, ,,	22nd ,, ,,	Fire bricks	3,500 loose ..	6 months and 17 days.	Do. do.
			11	21st ,, ,,	22nd ,, ,,	Pully blocks	2 cases ..		
						Weighing machines	2 ,, ..		
						Pickaxes	13 casks ..		
						Iron, flat	38 bars ..		
						Steel, round	76 bars ..		
						Do. angle, of various sizes ..	537 ,, ..		
						Do. ties do. ..	440 ,, ..		
			1	11th Jan. ,,	4th March ..	Nuts, iron, block, hexagon ..	1 case ..	1 year, 1 month and 4 days.	

Statement showing the time taken between the despatch from Madras of indents for stores and the receipt from England of the stores indented for—*cont.*

Month and date of arrival of English stores.	Name of steamers.	Port of shipment.	Number and date of indent. No.	Number and date of indent. Date.	Date on which indent left Madras.	Contents of packages.		Period between date of despatch of indent and receipt of stores.	Remarks.
21st April 1898 ..	S.S. "Clan Monroe" ..	London ..	4	19th July 1897 ..	22nd Sept. 1897 ..	Corrugated galvanized iron sheets	51 crates ..	6 months and 30 days.	
						Blocks	1 case ..		
			8	19th ,, ,, ..	22nd ,, ,, ..	Mamooties	2 casks ..		
						Pickaxes	18 ,, ..		
22nd ,, ,, ..	S.S. "Umballa" ..	Do. ..	11	21st ,, ,, ..	22nd ,, ,, ..	Delta metal No. 1 rods ..	8 cases ..	7 months.	On account of the late arrival of these, there was great delay and some extra expense in the Grand Anicut shutter work. In several of the shutters, castings had to be substituted for channel irons to avoid delay.
						Channels, of sizes	122 loose ..		
5th May 1898 ..	S.S. "Clan Macdonald".	Do. ..	8	19th ,, ,, ..	22nd ,, ,, ..	Pickaxes, steel	10 casks .	7 months and 13 days.	
6th ,, ,, ..	S.S. "City of Dublin".	Do. ..	4	19th ,, ,, ..	22nd ,, ,, ..	Square carpenters' plated 9" blades, brass ratches with bits, &c., turn screws 6" blades, &c.	1 case ..	7 months and 14 days.	Some files had to be locally purchased owing to delay in arrival.
						Files, of sizes	10 cases ..		
						Vices parallel machine jaw ..	1 case ..		
			1	11th Jan. ,, ..	4th March ,, ..	Brass locks, 6" lever	1 ,, ..	1 year, 2 months and 2 days.	
20th May ,, ..	S.S. "Clan Ross" ..	Do. ..	4	19th July ,, ..	22nd Sept. ,, ..	Blocks, iron, galvanized ..	3 cases ..		
31st ,, ,, ..	S.S. "Rewa" ..	Do. ..	9	29th ,, ,, ..	8th ,, ,, ..	Skin and chequer plates for gate and platform.	7 plates ..	8 months and 23 days.	There was some correspondence about the arrangements for the supply of Stoney's sluice; but it is reported that the materials for the screen were only common stock sizes of iron and required no work to be done on them before despatch.
						Channels	2 loose ..		
						C.I. tubes screwed	2 ..		
						Top, front, bottom and back groove castings.	10 loose ..		
						Counter balance box revetted ..	1 tank ..		
						W. I. frame for platform ..	1 loose ..		
						Roller gate beams	2 ,, ..		
						Bundles of round bars ..	9 bundles. ..		
						Do. of flat do. ..	1 bundle ..		
						Tubes cast for screwed shaft ..	2 bundles ..		
						Shield plates	1 bundle ..		
						Cases containing small articles..	11 bundles ..		
11th June ,, ..	S.S. "Golconda" ..	Do. ..	4	19th ,, ,, ..	22nd ,, ,, ..	G. M. with screwed ends, &c., backnuts, &c.	1 case ..	8 months and 20 days.	The Grand Anicut work was much delayed on account of the nonreceipt of this iron within a reasonable time.
		Do. ..	11	21st ,, ,, ..	22nd ,, ,, ..	Steel channels 18 × 6" × 3" × ⅜" for Grand Anicut, Tanjore.	36 loose ..		

GENERAL.
ACCOUNT.

Government {1898} of Madras.

PUBLIC WORKS.

Recd. } 1898. *Enclosures*
Regd. } *Spare copies*

G.O., No. 2843/A W., 8th November 1898.

NOVEMBER.

Delay in Complying with Indents for Stores

Directing, with remarks, that a statement showing the period taken between the despatch of indents from Madras in 1897 and the receipt of the stores during the months from January to August 1898, be forwarded to the Secretary of State.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

From the Superintending Engineer, V Circle, dated 9th Feb. 1898, No. 85.
" " " V " " 9th Mar. " " 165 W.
" " " V " " 16th Apr. " " 254 W.
" " " V " " 25th May " " 352 W.
" " " V " " 11th June " " 379 W.
" " " V " " 15th July " " 462 W.
" " " V " " 11th Aug. " " 525 W.
" " " V " " 13th Sept. " " 576 W.

Order—No. 2843 W./A, dated 8th November 1898.

The papers above recorded contain statements, submitted by the General Superintendent, Public Works Stores, showing the dates of arrival at Madras during the months from January to August 1898, of stores for the Public Works Department indented for from England in the year 1897. From the returns, a consolidated statement has been prepared in the Secretariat, containing additional columns, giving the dates of despatch of the indents from Madras and the interval between those dates and the time of the arrival of the stores at Madras.

2. The statement excludes all items, so far as they can be identified, which were delayed in despatch in consequence of references to this Government regarding them having had to be made by the Director-General of Stores. In future statements, the General Superintendent will quote, in the remarks column against the items concerned, the number and date of any such preliminary inquiries which may be made by the India Office.

3. The statement now drawn up will be forwarded to the Secretary of State with the following despatch.

[Here enter No. 3/2843 W./A, dated 8th November 1898.]

(True Extract.)

(Signed) W. B. DeWINTON,
Secretary to Government.

To the Superintending Engineer, V Circle.

Exd. T. K. Narayana Aiyangar.

Statement showing the time taken between the despatch from Madras of indents for stores and the receipt from England of the stores indented for.

Month and date of arrival of English stores.	Name of steamers.	Port of shipment.	Number and date of indent. No.	Number and date of indent. Date.	Date on which indent left Madras.	Contents of packages.		Period between date of despatch of indent and receipt of stores.	Remarks.
3rd January 1898.	S.S. "Clan Monroe" ..	London ..	1	11th January 1897.	4th March 1897.	Blocks, iron, galvanized	1 case	9 months and 30 days.	
4th " "	S.S. "City of Dublin".	Do. ..	1	11th " "	4th " "	Nuts, iron, block, hexagon	2 casks		
17th " "	S.S. "Ameer" ..	Do. ..	1	11th " "	4th " "	Enamelled iron gauges	6 cases	10 months.	
24th " "	S.S. "Mombasa" ..	Do. ..	7	18th June "	11th August "	Stone oil, Turkey	....		
8th February "	S.S. "Rewa" ..	Do. ..	1	11th January "	4th March "	Iron, Swedish, flat	5 bundles	10 months and 13 days.	
						Do. round	10 "		
						Channels, steel	170 loose	5 months and 13 days.	
						Planes, trying and jack, with iron	1 case		
						Irons for plane double and plane smoothing with double iron	1 "		
						Bolts, door, iron, light	1 "		
						Iron gauges	13 cases		
						Tapes, measuring, 6' long	1 case		
						Nuts, iron, block, hexagon	1 cask		
						Rivets, iron, pan head ..	4 casks		
						Wire, steel, hard ..	1 bundle	11 months and 4 days.	
						Iron, flat, loose ..	46 bars		
						Angle iron	83 "		
						Flat iron bundles ..	112 bundles		
						Square iron bundles ..	40 "		
						Round do. ..	18 "		
						Angle do. ..	35 "		
						Sheets, iron	12 "		
						Do. loose ..	108 sheets		
						Chain, iron, short link ..	2 casks		
						Chesterman's tapes ..	1 case (with other stores).	11 months and 16 days.	
						Cement-testing machine	2 cases	7 months and 6 days.	
						Patent tube cutter and wrench combined, patent chain pipe, wrench screws, plates, &c.	1 case		
						Saws, sets, compasses, carpenters' adzes, carpenters' hookbills, &c.	1 case	5 months and 12 days.	
8th " "	S.S. "Clan Matheson" ..	Do. ..	1	11th " "	4th " "	Coal tar refined ..	7 casks		
						Light oak and chocolate ..	20 drums		
						Steel plates	336 loose		
						Steel sheet	10 "		
						Flat iron	128 bars		
						Chains, iron, in length ..	7 loose	5 months and 21 days.	
						Pig iron	T. CWT. QTS. LBS. 29 19 2 19		
20th " "	S.S. "Golconda" ..	Do. ..	1	11th " "	4th " "	Chain, iron, short link ..	2 casks		
						Chesterman's tapes ..	1 case		
4th " "	S.S. "City of Dublin".	Do. ..	1	11th " "	4th " "	Cement-testing machine	2 cases		
6th March "	S.S. "Ghoorka" ..	Do. ..	3	29th May "	14th July "	Patent tube cutter and wrench combined, patent chain pipe, wrench screws, plates, &c.	1 case		
			4	19th July "	22nd Sept. "	Saws, sets, compasses, carpenters' adzes, carpenters' hookbills, &c.	1 case		
16th " "	S.S. "Clan Grant" ..	Do. ..	11	21st " "	22nd " "	Coal tar refined ..	7 casks		
						Light oak and chocolate ..	20 drums		
						Steel plates	336 loose		
						Steel sheet	10 "		
						Flat iron	128 bars		
						Chains, iron, in length ..	7 loose		
			8	19th " "	22nd " "	Pig iron	29 19 2 19		

Statement showing the time taken between the despatch from Madras of indents for stores and the receipt from England of the stores indented for—*cont.*

Month and date of arrival of English stores.	Name of steamers.	Port of shipment.	Number and date of indent. No.	Number and date of indent. Date.	Date on which indent left Madras.	Contents of packages.		Period between date of despatch of indent and receipt of stores.	Remarks.
19th March 1898.	S.S. "Manora" ..	London ..	1	11th January 1897.	4th March 1897.	Monkeys, wrenches, screws coach.	1 case ..	1 year and 15 days.	
						Planes, jack with iron ..	1 ,, ..		
						Locks with duplicate keys, drawers and box with 4' lever.	1 ,, ..		
			4	19th July ,,	22nd Sept. ,,	Steam gauges, &c.	1 ,, ..	5 months and 25 days.	
			8	19th ,, ,,	22nd ,, ,,	Vice bench standing, &c. ..	1 ,, ..		
						Compasses, prismatic, &c. ..	1 ,, ..		
						Stands for above	1 ,, ..		
						Mamooties	31 casks ..		
21st ,, ,,	S.S. "Clan Robertson" ..	Do. ..	11	21st ,, ,,	22nd ,, ,,	Delta metal No. 1	320 ingots ..		
			4	19th ,, ,,	22nd ,, ,,	Grinding stone	3 crates ..	5 months and 27 days.	
			8	19th ,, ,,	22nd ,, ,,	Pickaxes	26 casks ..		
						Mamooties	18 ,, ..		
			22	24th Nov. 1896.	4th March ,,	Gauges to ascertain the rain off from the catchment basin of rivers and streams.	18 cases ..	1 year and 18 days.	
			11	21st July 1897.	22nd Sept. ,,	Chains, iron, short link ..	13 loose ..	5 months and 27 days.	
29th ,, ,,	S.S. "Cransay" ..	Do. ..	1	11th Jan. ,,	4th March ,,	Rivets, iron	8 casks ..	1 year and 25 days.	
						Planes, jack, with 2½" iron ..	1 case ..		
						Planes, smooth, with 2½" iron ..			
6th April ,,	S.S. "Matiana" ..	Do. ..	1	11th ,, ,,	4th ,, ,,	Brass locks	1 ,, safety ..		
			1	11th ,, ,,	4th ,, ,,	Files, of sizes	5 cases ..	1 year, 1 month and 2 days.	Owing to this delay, 24 files of sizes were purchased locally on 1st March 1898 for work in the Instrument Department of the Workshops.
			4	19th July ,,	22nd Sept. ,,	Leather belting	1 case ..	6 months and 15 days.	
			11	21st ,, ,,	22nd ,, ,,	Brushes, Varnish Camel hair, Buckets, iron, galvanized.	2 ..		
						Rolled steel joists	72 loose ..	6 months and 15 days.	Great inconvenience was caused by delay in receipt of these.
			10	11th August ,,	15th Oct. ,,	New lamps of the pattern No. 6, Cathedral lamp, &c.	1 cask ..	5 months and 22 days.	
						Globes, chimneys, wicks for above.	1 ,, ..		
8th ,, ,,	S.S. "Clan Cameron" ..	Do. ..	4	19th July ,,	22nd Sept. ,,	Fire bricks	3,500 loose ..	6 months and 17 days.	Do. do.
						Pully blocks	2 cases ..		
			8	19th ,, ,,	22nd ,, ,,	Weighing machines	3 ,, ..		
						Pickaxes	13 casks ..		
			11	21st ,, ,,	22nd ,, ,,	Iron, flat	38 bars ..		
						Steel, round	76 bars ..		
						Do. angle, of various sizes ..	527 ,, ..		
						Do. ties do. ..	440 ,, ..		
			1	11th Jan. ,,	4th March ,,	Nuts, iron, block, hexagon ..	1 case ..	1 year, 1 month and 4 days.	

Statement showing the time taken between the despatch from Madras of indents for stores and the receipt from England of the stores indented for—*cont.*

Month and date of arrival of English stores.	Name of steamers.	Port of shipment.	Number and date of indent. No.	Number and date of indent. Date.	Date on which indent left Madras.	Contents of packages.		Period between date of despatch of indent and receipt of stores.	Remarks.
21st April 1898 ..	S.S. "Clan Monroe" ..	London ..	4	19th July 1897 ..	22nd Sept. 1897 ..	Corrugated galvanized iron sheets	51 crates ..	6 months and 30 days.	
						Blocks	1 case ..		
			8	19th ,, ,, ..	22nd ,, ,, ..	Mamooties	2 casks ..		
						Pickaxes	18 ,, ..		
22nd ,, ,, ..	S.S. "Umballa" ..	Do. ..	11	21st ,, ,, ..	22nd ,, ,, ..	Delta metal No. 1 rods ..	8 cases ..	7 months.	On account of the late arrival of these, there was great delay and some extra expense in the Grand Anicut shutter work. In several of the shutters, castings had to be substituted for channel irons to avoid delay.
						Channels, of sizes	122 loose ..		
5th May 1898 ..	S.S. "Clan Macdonald".	Do. ..	8	19th ,, ,, ..	22nd ,, ,, ..	Pickaxes, steel	10 casks ..	7 months and 13 days.	
6th ,, ,, ..	S.S. "City of Dublin".	Do. ..	4	19th ,, ,, ..	22nd ,, ,, ..	Square carpenters' plated 9" blades, brass ratches with bits, &c., turn screws 6" blades, &c.	1 case ..	7 months and 14 days.	Some files had to be locally purchased owing to delay in arrival.
						Files, of sizes	10 cases ..		
						Vices parallel machine jaw ..	1 case ..		
			1	11th Jan. ,, ..	4th March ,, ..	Brass locks, 6" lever	1 ,, ..	1 year, 2 months and 2 days.	
20th May ,, ..	S.S. "Clan Ross" ..	Do. ..	4	19th July ,, ..	22nd Sept. ,, ..	Blocks, iron, galvanized ..	3 cases ..		
31st ,, ,, ..	S.S. "Rewa" ..	Do. ..	9	29th ,, ,, ..	8th ,, ,, ..	Skin and chequer plates for gate and platform.	7 plates ..	8 months and 23 days.	There was some correspondence about the arrangements for the supply of Stoney's sluice; but it is reported that the materials for the screen were only common stock sizes of iron and required no work to be done on them before despatch.
						Channels	2 loose ..		
						C.I. tubes screwed	2 ..		
						Top, front, bottom and back groove castings	10 loose ..		
						Counter balance box revetted ..	1 tank ..		
						W. I. frame for platform ..	1 loose ..		
						Roller gate beams	2 ,, ..		
						Bundles of round bars ..	9 bundles. ..		
						Do. of flat do. ..	1 bundle ..		
						Tubes cast for screwed shaft ..	2 bundles ..		
						Shield plates	1 bundle ..		
						Cases containing small articles ..	11 bundles ..		
11th June ,, ..	S.S. "Golconda" ..	Do. ..	4	19th ,, ,, ..	22nd ,, ,, ..	G. M. with screwed ends, &c., backnuts, &c.	1 case ..	8 months and 20 days.	The Grand Anicut work was much delayed on account of the nonreceipt of this iron within a reasonable time.
		Do. ..	11	21st ,, ,, ..	22nd ,, ,, ..	Steel channels 18 × 6" × 3" × ⅜" for Grand Anicut, Tanjore.	36 loose ..		

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honourable the Secretary of State for India.

No. $\frac{1}{352\ W.}$, dated 4th February 1899.

FORWARDING a statement showing the details of the Establishment of the Public Works Department, Madras Presidency, as it stood on the 31st December 1898.

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONOURABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

With reference to despatch No. 3, dated 30th January 1879, we have the honour to forward a statement showing the details of the Establishment of the Public Works Department of this Presidency, as it stood on the 31st December 1898.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.
(„) A. T. ARUNDEL.
(„) H. M. WINTERBOTHAM.

FORT ST. GEORGE,
4th February 1899.

Asd. T. K. Narayana Aiyangar.

GENERAL.
ESTABLISHMENT.

Government {1899} of Madras.

PUBLIC WORKS.

Recd. } 1899. *Enclosures*

Regd. } *Spare copies*

G.O., No. 352 W., 4th February 1899.

FEBRUARY.

Establishment of the Public Works Department

Ordered that the statement showing the details of the —, as it stood on the 31st December 1898, be forwarded to the Right Honourable the Secretary of State for India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

Office-note from the Examiner, Public Works Accounts, dated Madras, 18th January 1899, No. 200 B./E.

With reference to G.O., No. 551 W., dated 21st February 1879, I beg to forward, herewith, a statement showing the detail of the Establishment of the Public Works Department, Madras Presidency, as it stood on 31st December 1898 for transmission to the Secretary of State for India.

2. In the statement, all persons of pure Asiatic descent, who follow the manners and customs of natives of India, are classed as "natives," whilst persons of European parentage and of mixed blood with European names, who adopt the manners and customs of Europe, are classed as "Europeans" with reference to G.O., No. 1046 W., dated 24th April 1884, communicating the Secretary of State's Public Works Despatch No. 7, dated 27th March 1884, defining the terms "European" and "Native."

ORDER—No. 352 W., dated 4th February 1899.

The statement will be forwarded to the Secretary of State for India.

[Here enter No. $\frac{1}{352\ W.}$, dated 4th February 1899.]

(True Extract.)

(Signed) A. W. SMART, Colonel, R.E.,
Ag. Secy. to Government.

To the Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.