GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 7th August 1886, No. 295 E.W.

Adverting to G.O., No. 1760 W., of 13th ultimo, I have the honor to submit an indent (in duplicate) for a hydraulic crushing tester, and to state that its cost may be met from the lump sum allotment under tools and plant for the current official year for the West Coast division.

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Memorandum to the General Superintendent, Public Works Stores, dated 10th August 1886, No. 2736 C.

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From H. O'CONNELL, Esq., General Superintendent, Public Works Stores, to the Superintending Engineer, V Circle, dated Madras, 13th August 1886, No. 499 S.

With reference to G.O., No. 1760 W., dated 13th July 1886, forwarded with your letter, No. 2205, of the 12th August 1886, I have the honor to submit indent (in triplicate) on the Home Government for one hydraulic crushing tester required by the Superintending Engineer, IV Circle, prepared in the prescribed form.

2. In pricing the indent in sterling money, I have taken the exchange at 2 shillings the rupee, in accordance with paragraph 4 of the revised rules recorded with G.O., dated 25th January 1886, No. 202 W., Public Works.

3. The papers received with your letter are herewith returned.

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Endorsement on the above.

No. 2307.

Forwarded to the Chief Engineer, Public Works Department, through the Examiner of Public Works Accounts.

RED HILLS, 17th August 1886.

(Signed) W. H. BURTON, Colonel, R.E., Superintending Engineer, V Circle.

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No. 262 S.E., 5th.

Forwarded to the Chief Engineer, Public Works Department, with the necessary certificate.

25th August 1886.

(Signed) D. C. GORDON, Examiner, Public Works Accounts.

CERTIFICATE by the Examiner, Public Works Accounts.

| Number and date of indent or letter with which received. | Description and value of articles indented for. | | Work to which the value is chargeable. | Grant. Amount. | Grant. Authority. | Certificate to be initialled by the Examiner. |
|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 |
| | Provincial. | £ s. d. | West Coast Division. | Rs. | | |
| S.E.'s (5th) letter, No. 230, dated 17th August 1886. | 1 Hydraulic crushing tester. | 116 4 0 | Tools and plant .. | 1,500 | G.O., No. 1594 W., dated 23rd June 1886. | I certify that funds to meet the outlay which it is estimated will be incurred in England in connection with this indent during the year 1886-87 have been provided for in the estimates of the Public Works Department to the extent of £ 116-4-0. |

MADRAS,
25th August 1886.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

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From the Superintending Engineer, IV Circle, dated 28th August 1886, No. 153 C.E.W.

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ORDER—dated 4th September 1886, No. 2215 W., Public Works.

The indent will be forwarded to the Director-General of Stores at the India Office for compliance.

(Here enter No. 2216 W., dated 4th September 1886.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" " " V "
" Examiner, Public Works Accounts.

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LETTER—to the Director-General of Stores, India Office, London, dated Fort St. George, 4th September 1886, No. 2216 W.

I am directed to forward, herewith, for favor of compliance, an indent (in duplicate) for an hydraulic crushing tester required for testing the crushing weight and other properties of laterite.

2. A certificate by the Examiner, Public Works Accounts, to the effect that the necessary funds have been provided, accompanies.

G.O., No. 2215 W., dated 4th September 1886.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

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LETTER—to the Secretary to the Government of India, Public Works Department, dated Fort St. George, 4th September 1886, No. 2217 W.

I am directed to forward, for information, copy of my No. 2216 W., of this date, to the Director-General of Stores, accompanied by the triplicate copy of the indent referred to therein.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

# Govt. of {1886} Madras.

PUBLIC WORKS.

*Dated September, 4th.*

*Recd.*

*Encl.*

**G.O., 4th Sept. 1886, No. 2215, 2216, 2217 W.**

**SEPTEMBER.**

**Indent**

Forwarding to the Director-General of Stores, India Office, an — for an hydraulic crushing tester to test the properties of laterite.



GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from A. A. JOPP, Esq., Director-General of Stores, to the Secretary to the Government of Madras, Public Works Department, dated India Office, London, 14th October 1886, No. 10121 S.A. :—

With reference to your letters of the 4th and 10th September 1886, Nos. 2216 W. and 2285 W., forwarding indents for an hydraulic crushing tester and iron chain, &c., it is observed that the indents are not accompanied by the certificate referred to in the margin as provided for in the 9th clause of the revised rules for procedure in obtaining stores from this country, and I am to request that the provisions of this clause may be complied with in future indents.

*Clause* 9.—Each indent must carry a certificate of the necessity for the stores indented for and that they cannot be advantageously procured of local manufacture, or from surplus stores of other departments, railways, or administrations.

ORDER—dated 8th November 1886, No. 2938 W., Public Works.

Communicated to the Superintending Engineer, V Circle, who will, in future, attach to all indents on the Home Government, a certificate as described in clause 9 of the rules printed with proceedings, dated 25th January 1886, No. 202 W.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
To other Superintending Engineers.
To the Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare copies

Memorandum to the Chairman, Harbour Trust Board, dated 4th September 1886, No. 3014 C.

From the Honorable R. W. BARLOW, C.S., Chairman, Harbour Trust Board, to the Secretary to Government, Public Works Department, dated Madras, 10th September 1886, No. 435.

I have the honor to return herewith letter, No. 509 S., dated 17th August, from the General Superintendent, Public Works Stores, addressed to the Superintending Engineer, V Circle, with which was enclosed indent, dated 16th August, for stores required from England for the Madras Harbour Works, all forwarded under your endorsement, No. 3014 C., dated 4th September 1886.

2. I have now the honor to enclose extract of proceedings of a meeting of the Harbour Trust Board held at the Sea Custom House last evening, in accordance with which I have countersigned the indent and forward it to you in triplicate herewith. I should add that Mr. Thorowgood has just informed me that he is very anxious that the same should be transmitted to England as soon as possible.

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Order—dated 16th September 1886, No. 2354 W., Public Works.

Ordered that the indent be forwarded to the Director-General of Stores at the India Office for compliance.

(Here enter No. 2355 W., dated 16th September 1886.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board.
„ Superintending Engineer, V Circle.
„ Examiner, Public Works Accounts.

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Letter—to the Director-General of Stores, India Office, London, dated Fort St. George, 16th September 1886, No. 2355 W.

I am directed to forward, herewith, for favor of early compliance, an indent (in duplicate) for stores required from England for use on the Madras Harbour Works.

2. A certificate by the Examiner, Public Works Accounts, to the effect that the necessary funds have been provided, accompanies.

G.O., No. 2354 W., dated 16th September 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

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Letter—to the Secretary to the Government of India, Public Works Department, dated Fort St. George, 16th September 1886, No. 2356 W.

I am directed to forward, for information, copy of my No. 2355 W., of this date, to the Director-General of Stores, accompanied by the triplicate copy of the indent referred to therein.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. A. Aubert.
Spare Copies

GENERAL.
ACCOUNT.

# Govt. of {1886} Madras.

## PUBLIC WORKS.

*Dated September, 16th.*

*Read.* *Encl.*

**G.O., 16th Sept. 1886, Nos. 2354, 2355, 2356 W.**

**SEPTEMBER.**

**Indent**

Orders forwarding to the Director-General of Stores, India Office, an — for stores required from England for use on the Madras Harbour Works.



GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From H. O'CONNELL, Esq., General Superintendent, Public Works Stores, to the Superintending Engineer, V Circle, dated Madras, 6th August 1886, No. 469 S.

I have the honor to forward, for submission to Government, an emergent indent (in triplicate) on the Home Government for articles required by the Presidency Public Works Workshops.

2. The chain is required for supply with sluice shutters urgently required by the Irrigation Branch; the cloth belting for driving the machinery in the shops, and the hose for a hand fire-engine for use at the Public Works Stores and Workshops as the hose in hand is unfit for use from fair wear and tear.

---

Endorsement on the above.

No. 2175.

Forwarded to the Chief Engineer, Public Works Department, through the Examiner, Public Works Accounts.

PALMANER,
8th August 1886.

(Signed) W. H. BURTON, Col., R.E.,
Superintending Engineer, V Circle.

---

No. 254 S.E., 5th.

Forwarded to the Chief Engineer, Public Works Department. It is necessary that the work on account of which the chain for sluice shutters is required should be mentioned.

MADRAS,
13th August 1886.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

---

Memorandum to the Superintending Engineer, V Circle, dated 18th August 1886, No. 2822 C.

To enable the Examiner to furnish the necessary certificate regarding the provision of funds for the articles required, it is necessary that the work on account of which the chain for sluice shutters is demanded should be stated.

Please resubmit the papers, through the Examiner, with the required information.

Attention is invited to G.O., No. 1937 W., dated 4th August 1886.

No. 2516.

Forwarded to the Examiner of Public Works Accounts with the information that 600 feet of the chain are required for 41 sluice shutters of the Cauvery-Vennár Regulator division, under construction in the Public Works Workshops, and 400 feet to be kept in reserve in anticipation of more shutters of similar kind being required. The chain is to be paid for by the workshops on its receipt.

28th August 1886.

(Signed) W. H. BURTON, Col., R.E.,
Superintending Engineer, V Circle.

---

No. 278 S.E., 5th.

Forwarded to the Secretary to Government, Public Works Department, with the necessary certificate.

3rd September 1886.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

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| Number and date of indent or letter with which received. | Description and value of articles indented for. | | Work to which the value is chargeable. | Grant. | | Certificate to be initialled by the Examiner. |
|---|---|---|---|---|---|---|
| | | | | Amount. | Authority. | |
| | *Provincial.* | £ s. d. | *Public Works Stores Division.* | Rs. | | |
| Superintending Engineer, V Circle, letter No. 2516, dated 28th August 1886. | Iron chain, cotton belting, canvas belting, and hose. | 119 3 1½ | Tools and plant. | 95,791 | Final issue of the Provincial budget for 1886-87. | I certify that funds to meet the outlay which it is estimated will be incurred in England in connection with this indent during the year 1886-87 have been provided for in the estimates of the Public Works Department to the extent of £119-3-1½. |

Madras,
3rd September 1886.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

---

Order—dated 10th September 1886, No. 2284 W., Public Works.

Ordered that the indent be forwarded to the Director-General of Stores, India Office, for compliance.

(Here enter No. 2285 W., dated 10th September 1886.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

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Letter—to the Director-General of Stores, India Office, London, dated Fort St. George, 10th September 1886, No. 2285.

I am directed to forward, herewith, for favor of compliance, an indent (in duplicate) for iron chain, cotton belting, canvas belting, and hose required for the Public Works Workshops.

2. A certificate by the Examiner, Public Works Accounts, to the effect that the necessary funds have been provided, accompanies.

G.O., No. 2284 W., dated 10th September 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.



Letter—to the Secretary to the Government of India, Public Works Department, dated Fort St. George, 10th September 1886, No. 2286.

I am directed to forward, for information, copy of my No. 2285 W., of this date, to the Director-General of Stores, accompanied by the triplicate copy of the indent referred to therein.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

# Govt. of {1886} Madras.

## PUBLIC WORKS.

*Dated September, 10th.*

*Recd.* *Encl.*

**G.O., 10th Sept. 1886, Nos. 2284, 2285, 2286 W.**

**SEPTEMBER.**

**Indent**

Orders forwarding to the Director-General of Stores, India Office, for compliance, an — for iron chain, cotton belting, canvas belting, and hose required for the Public Works Workshops.



GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 14th August 1886, No. 307 E.W.

Adverting to paragraph 2 of G.O., No. 1624 W., of 25th June last, I have the honor to submit an indent (in triplicate) on the Indian Store Department for materials required for lightning conductors sanctioned in G.O., No. 1430 W., of 7th June 1886.

2. I have marked the indent as "urgent" with a view to their early supply, in order that the work may be put in hand at an early date and the grant be advantageously laid out by the end of the current official year.

Memorandum to the General Superintendent, Public Works Stores, dated 17th August 1886, No. 2817 C.

From H. O'CONNELL, Esq., General Superintendent, Public Works Stores, to the Superintending Engineer, V Circle, dated Madras, 21st August 1886, No. 523 S.

With reference to memorandum, No. 2817 C., dated 17th August 1886, from Chief Engineer, forwarded with your No. 2827, dated 17th August 1886, I have the honor to resubmit indent therewith received, prepared in proper form, for transmission to Government through the Examiner, Public Works Accounts, for materials required for lightning conductors for buildings in Ootacamund.

2. The articles can be obtained in the local market, but only of European manufacture.

Endorsement on the above.

No. 2567.

Forwarded to the Chief Engineer, Public Works Department, through the Examiner, Public Works Accounts.

(Signed) W. H. BURTON, Col., R.E.,
31st August 1886. Superintending Engineer, V Circle.

No. 280 S.E., 5th

Forwarded to the Chief Engineer, Public Works Department, with the necessary certificate.

(Signed) D. C. GORDON,
3rd September 1886. Examiner, Public Works Accounts.

CERTIFICATE by the Examiner, Public Works Accounts.

| Number and date of indent or letter with which received. | Description and value of articles indented for. | | Work to which the value is chargeable. | GRANT. Amount. | GRANT. Authority. | Certificate to be initialled by the Examiner. |
|---|---|---|---|---|---|---|
| | *Provincial.* | £ s. d. | *Nilgiri Division.* | RS. | | |
| Superintending Engineer's (V Circle) letter, No. 2567, dated 31st August 1886. | 1. Copper rod solid ¾ inch diameter of convenient length.<br>2. Copper rod solid ½ inch diameter of convenient length.<br>3. Copper sheet 3 feet wide ⅛ inch thick.<br>4. Copper tapes 1¼ inches wide ⅜ inch thick.<br>5. Copper tapes 1½ inches wide ⅛ inch thick of convenient length.<br>6. Copper tapes 1 inch wide ¼ inch thick of convenient length.<br>7. Copper tapes 1 inch wide ⅛ inch thick. | 532 12 0 | Providing lightning conductors for certain Government buildings at Ootacamund. | 10,610 | G.Os. Nos. 1594 W., dated 23rd June 1886 and 1891 W., dated 27th July 1886. | I certify that funds to meet the outlay which it is estimated will be incurred in England in connection with this indent during the year 1886-87 have been provided for in the estimates of the Public Works Department to the extent of £ 532-12-0. |

MADRAS,
3rd September 1886.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

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ORDER—dated 10th September 1886, No. 2288 W., Public Works.

Ordered that the indent be forwarded to the Director-General of Stores, India Office, for compliance.

(Here enter No. 2289 W., dated 10th September 1886)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle.
" " " V "
" Examiner, Public Works Accounts.

---

LETTER—to the Director-General of Stores, India Office, London, dated Fort St. George, 10th September 1886, No. 2289.

I am directed to forward, herewith, for favor of early compliance, an indent (in duplicate) for materials for lightning conductors for certain public buildings in this presidency.

2. A certificate by the Examiner, Public Works Accounts, to the effect that the necessary funds have been provided, accompanies.

G.O., No. 2288 W., dated 10th September 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

---

LETTER—to the Secretary to the Government of India, Public Works Department, dated Fort St. George, 10th September 1886, No. 2290.

I am directed to forward, for information, copy of my No. 2289 W., of this date, to the Director-General of Stores, accompanied by the triplicate copy of the indent referred to therein.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

# Govt. of {1886} Madras.

## PUBLIC WORKS.

*Dated September*, 10*th*.

*Recd.* *Encl.*

**G.O., 10th Sept. 1886, Nos. 2288, 2289, 2290 W.**

**SEPTEMBER.**

**Indent**

Orders forwarding to the Director-General of Stores, India Office, an — for materials for lightning conductors for certain public buildings.



GOVERNMENT OF MADRAS.

## FINANCIAL DEPARTMENT.

READ—the following paper :—

Despatch from the Right Honorable Lord CROSS, Her Majesty's Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 6th January 1887, No. 1 (Financial—Stores).

With reference to the letters noted in the accompanying list, I have to inform your Excellency that I have sanctioned compliance with the indents for stores therewith forwarded.

ENCLOSURE.

LIST to accompany despatch.

Letter from Secretary to Government of Madras in the Revenue Department, No. 42, dated 31st May 1886.

(Disintegrator and Turbine for Nilgiris Cinchona Plantations.)

Letter from Secretary to Government of Madras in the Public Works Department, No. 2174 W., dated 30th August 1886.

(Iron-work for Bridges.)

Letter from Government of Madras in the Marine Department, No. 10, dated 4th September 1886.

(Dioptric Light for Manapaud.)

Letter from Secretary to Government of Madras in the Public Works Department, No. 2289 W., dated 10th September 1886.

(Materials for Lightning Conductors.)

Letter from Secretary to Government of Madras in the Public Works Department, No. 2285 W., dated 10th September 1886.

(Stores for Public Works Workshops.)

Letter from Secretary to Government of Madras in the Public Works Department, No. 2355 W., dated 16th September 1886.

(Stores for Madras Harbour Works.)

Letter from Secretary to Government of Madras in the Revenue Department, No. 78, dated 2nd October 1886.

(Jars and Artificial Eyes for Central Museum.)

ORDER—dated 4th February 1887, No. 168, Financial.

Communicated to the departments concerned.

(True Extract.)

*Ag. Chief Secretary.*

To the Revenue Department.
" Public Works Department.
" Marine Department.

Exd. E. Fernandez.

1886

2215-16-17 W 4 9 87

4-5 W 28-8-86
57-5-6 W 16-9-86
2210-9-90 W 9-9-86
2238-4-10-11-86
2284-6 W 10-9-86

No. 462 W. d/ 14 Feb. 1887

Communicated to the officers Concerned in the reference to the orders noted below.

G.O. No. 2173 W. of 30th Augt. 1886
G.O. No. 2284 W. of 10th Sept. 1886
G.O. No. 2288 W. of — do —
G.O. No. 2354 W. of 16th Sept. 1886.

12. 2. 87

Supdg. Engr I circle √
" IV " √
" V " √
Chairman M. H. T. Board √
Excr. P. W. Accts. √

Despd 14.2.87.

C/ P.W.C. No. 1140 √

# Govt. of {1887} Madras.

## FINANCIAL.

13-SC

Issued

Recd. 11-2-87 Encl.

**G.O., 4th February 1887, No. 168.**

No. 462 W. d/ 14 Feb. 1887.

**FEBRUARY.**

**Stores.**

Communicating to departments concerned despatch from Secretary of State intimating having sanctioned compliance with certain indents for —.

2 Copies to Body

With