(1) பக்கங்களின் எண்ணிக்கை 24

(2) புதுக்கித் திருப்பிய நாள் Dec 89

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

47

P.W.D துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 3237 அச்சகம்
பலவகை

நாள் : 16 - 11 - 1889 19

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

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12. Shelf

ஆவண. கா-1—18,006—15-8-87.

3237

16th November 1889, No. 3237 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper :—

From Major-General H. McLEOD, R.A., Inspector-General of Ordnance, to the Secretary to Government, Military Department, dated Fort St. George, 2nd November 1889, No. G-86.

I have the honor to forward, duly countersigned in token of approval, a revised estimate with plan, amounting to Rs. 5,005, for improving the water-supply of the Gun Carriage Factory, Madras, with a view to its being approved by Government in the Military Department and transferred, if approved, to the Public Works Department for disposal.

2. When the work was about to be commenced, it was found that if constructed in accordance with the plan accompanying the estimate sanctioned in G.O., No. 708 W., * Public Works, dated 9th March 1889, it would not meet the desired object as the force of water would have been insufficient. The Superintending Engineer, V Circle, was therefore requested to draw up another plan in communication with the Superintendent of the Factory and this has now been done.

* Military Department No. 2113, dated 26th March 1889.

3. The work is one of great urgency, and as funds have already been allotted (*vide* G.O., No. 1179 W.,† dated 3rd May 1889, Public Works), I would request that early sanction may be given to the estimate and that the Superintending Engineer, V Circle, may be instructed by Government in the Public Works Department to proceed at once with the work and carry it out to completion as expeditiously as possible.

† Military Department No. 3427, dated 27th May 1889.

No. 7664, Military.

Approved and transferred to the Public Works Department for disposal.

Fort St. George, 5th November 1889.

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl., Secretary to Government.

Order—dated 16th November 1889, No. 3237 W., Public Works.

The revised estimate, amounting to Rs. 5,005, for improving the water-supply of the Gun Carriage Factory at Madras, is sanctioned in supersession of the estimate of Rs. 5,120 sanctioned in G.O., No. 708 W., dated 9th March 1889.

2. The work should be carried out as quickly as possible.

3. This sanction has been registered as Imperial No. 22 W. of 1889-90, and classified as Military, Original Works.

(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle, with five enclosures.
" Examiner, Public Works Accounts,
with the duplicate abstract estimate.
" Military Department.

Exd. J. Moses.
Spare Copies

3237

2

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated November, 16th.

Read.

Encl.

G.O., 16th Nov. 1889, No. 3237 W.

NOVEMBER.

Water-supply of the Gun Carriage Factory at Madras

Revised estimate, amounting to Rs. 5,005, for improving the —, sanctioned.

3237

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Kambakal Channel, 9th February 1889, No. 5258.

With reference to G.O., No. 99 W., dated 15th January 1889, I have the honor to state that the amount of the grant of Rs. 14,105 appropriated in G.O., No. 3982 W., dated 20th December 1888, for works as per margin may be surrendered to Government as there is very little time to spend this amount even if the estimates are sanctioned hereafter.

Gun Carriage Factory.	Rs.
1. Water-supply	5,120
2. Projects for new workshops ...	8,985
Total ...	14,105

ORDER—dated 20th February 1889, No. 516 W., Public Works.

In his letter No. 3165, dated 23rd October 1888, the Superintending Engineer, V Circle, surrendered the grants provided in the current year's military budget for the marginally-noted works, and the Inspector-General of Ordnance was thereupon requested in para. 3 of G.O., No. 3579 W., dated 10th November 1888, to report whether he approved the surrenders, and, if so, to intimate to what works he wished the amounts to be transferred.

	Rs.
Turners' shop, Gun Carriage Factory, Madras	10,000
Extra accommodation as store-room, Gun Carriage Factory, Madras ...	4,105
Total ...	14,105

2. In his letter No. G/126, dated 1st December 1888, the Inspector-General replied that the Director-General was about to apply to the Government of India for sanction to reappropriate the amounts for the following works (*vide* G.O., No. 3982 W., dated 20th December 1888)—

	Rs.
Water-supply, Gun Carriage Factory, Madras	5,120
New workshops, do. do.	8,985
Total ...	14,105

3. The Superintending Engineer, in his present letter, looks upon the above-mentioned proposed reappropriations as grants and surrenders them; but as no formal sanction has been accorded thereto, the surrenders proposed by the Superintending Engineer cannot be accepted. There appears, however, no probability of

3

early sanction being given to the estimates for the works mentioned in para. 2, which have been forwarded to the military authorities (*vide* G.O., No. 99 W., dated 15th January 1889), and the surrenders originally proposed by the Superintending Engineer from the turners' shop and store-room will therefore be accepted and replaced at the disposal of the Government of India as shown in the margin.

	Rs.
Works	14,105
Establishment and tools and plant.	3,456
Total ...	17,561

4. As all alterations in the revised and budget estimates should be reported to the Government of India before the 20th February 1889, the following telegram will be sent to the Government of India, Military Department:—

"Please accept surrenders of Rs. 10,000 and 4,105 from items 7 and 8, Class B Works, Military budget, and Rs. 3,456 from Establishment and Tools. Amounts cannot be utilised before March next."

5. A copy of these Proceedings will be forwarded to the Government of India, Military Department, for information.

(Here enter No. 517 W., dated 20th February 1889.)

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.
" Military Department.
" Director-General of Ordnance.

ENDORSEMENT—dated 20th February 1889, No. 517 W., Public Works.

Forwarded.

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secretary to Govt., P.W.D.

Exd. A. D. Xavier.
Spare Copies

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4

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated February, 20th.

Read. *Encl.*

G.O., 20th Feb. 1889, Nos. 516 W., 517 W.

FEBRUARY.

Gun Carriage Factory, Madras

Forwarding copy of Proceedings on letter from the Superintending Engineer, V Circle, surrendering grants for certain works connected with —.

3237

9TH MARCH 1889, No. 708 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following papers :—

From Colonel H. M. VIBART, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Bangalore, 20th April 1888, No. 246 A.

In returning your endorsement No. 435 D, dated 17th August 1887, I have the honor to forward a plan and estimate for Rs. 18,724, accompanied by a report on the Executive Engineer's scheme for improving the supply of water to the Gun Carriage Factory at Madras in case of an outbreak of fire.

2. With this I forward a plan showing proposed modifications, which I have drawn up with the concurrence of the Inspector-General of Ordnance, who agrees with me in thinking that the Executive Engineer's scheme is expensive, and that a much less elaborate scheme costing only Rs. 5,120 will do as well.

3. It is now proposed to build a masonry cistern 30 × 40 × 5, capable of holding about 37,500 gallons, near the centre of the timber yard; to be 3 feet above ground.

This will be filled by a 4-inch pipe from the 21-inch municipal main just outside the timber yard, and from the cistern a $2\frac{1}{2}$-inch emptying pipe will take water to the large tank with a stop cock at the further extremity and a couple of $2\frac{1}{2}$-inch hydrants in the interval.

A separate 4-inch pipe will lead from the same 21-inch main, a short distance further up, to run along the half-wrought timber sheds A and B and round the carpenters' workshops, &c., to discharge into the big tank. There will be a T-head midway for the purpose of a 3-inch piping to the future coal stores, which are to be built somewhere opposite to this part outside the northern compound wall.

There will also be half a dozen hydrants along the 4-inch pipe for the purpose of securing a supply close at hand when needed.

By this means it is hoped that the cistern and the big tank will be kept constantly full, and every facility will thus be afforded for the ready use of the manual fire-engine. Plenty of hose being available, a sufficient amount of water could be pumped to each and every corner of the factory to arrest the progress of fire.

No. 139 D.

Forwarded to the Military Department with reference to its endorsement No. 4942, dated 13th August 1887, herewith returned with enclosures.

2. The alternative estimate of Rs. 5,120 has the approval of Government in the Public Works Department. The Superintending Engineer states that this estimate was drawn up with the concurrence of the Inspector-General of Ordnance, but it is observed that it has not been countersigned by the latter officer.

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

5

G.O., dated 20th February 1889, No. 1291, Military.

Read—the following:—

From the Secretary to the Government of India, Military Department, dated 3rd August 1887, No. 2479-D.
From the Public Works Department, dated 14th December 1887, No. 4655-C.
To the Secretary to the Government of India, Military Department, dated 21st December 1887, No. 8129.
From the Public Works Department, dated 22nd February 1888, No. 638 W.
Reference Order of Government, dated 24th February 1888, No. 1356.
From the Public Works Department, dated 8th May 1888, No. 139-D.
To the Secretary to the Government of India, Military Department, dated 22nd May 1888, No. 3461.
Proceedings of Government, Public Works Department, dated 2nd July 1888, No. 1957 W.
From the Public Works Department, dated 24th September 1888, No. 712-D.
From the Public Works Department, dated 25th October 1888, No. 4106-C.
To the Secretary to the Government of India, Military Department, dated 6th November 1888, No. 7345.
From the Public Works Department, dated 15th January 1889, No. 99 W.
Telegram to the Secretary to the Government of India, Military Department, dated 18th January 1889, No. 410.

Telegram from the Secretary to the Government of India, Military Department, dated 13th February 1889, No. 262 M.W.

"Correspondence ending your telegram 410 of 18th ultimo. Scheme for improving water-supply Gun Carriage Factory, Madras, costing Rs. 5,120 approved. Original enclosures of 3461 follow by post."

Order—dated 20th February 1889, No. 1291, Military.

Ordered that the foregoing telegram from the Government of India be communicated to the Public Works Department and to the Inspector-General of Ordnance.

(True Extract.)

(Signed) A. KENNEY-HERBERT, Brigdr.-Genl.,
Secretary to Government.

Endorsement from the Military Department, dated 26th February 1889.

ORDER—dated 9th March 1889, No. 708 W., Public Works.

The estimate, amounting to Rs. 5,120, for improving the water-supply of the Gun Carriage Factory at Madras, is sanctioned for execution when funds are available.

2. The Superintending Engineer will forward direct to the Examiner of Public Works Accounts a copy of the abstract estimate for the work.

3. This sanction has been registered as Imperial No. 53 W. of 1888-89 and classified as Military, Original Works.

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Ag. Secretary to Govt., P.W.D.

To the Superintending Engineer, V Circle, with six enclosures.
" Examiner, Public Works Accounts.
" Military Department.

Exd. J. Henricus.
Spare Copies

3237

b

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated March, 9th.

Read. *Encl.*

G.O., 9th Mar. 1889, No. 708 W.

MARCH.

Water-supply of the Gun Carriage Factory, Madras

Estimate for improving the —, sanctioned.

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3RD MAY 1889, No. 1179 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Colonel R. F. LOWIS, R.A., Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 17th April 1889, No. 334 E.

Referring to the Proceedings of the Government of Madras, No. 516 W., Public Works, dated the 20th February 1889, I have the honor to solicit that, in anticipation of the sanction* of the Government of India which I have applied for, the sum of Rs. 5,120, for improving the water-supply of the Gun Carriage Factory, Madras, a scheme for which was approved in telegram No. 262 M.W., dated Calcutta, the 13th February 1889, to your address, may be reallotted from the grant of Rs. 15,000 sanctioned * for the construction during the current year of quarters for Ordnance Non-Commissioned officers at Bellary, and that orders may be issued for the work to be taken in hand and pushed on to completion as soon as possible.

* *Vide* Madras G.O., No. 3945 W., dated 18th December 1888, and this office No. 524, dated 27th February 1889.

ORDER—dated 3rd May 1889, No. 1179 W., Public Works.

The following transfer of funds is sanctioned:—

Imperial Military.
Original Works.

From		*To*	
Constructing double quarters for the staff serjeants attached to the Ordnance Department at Bellary.	Rs. 5,120	Improving the water-supply of the Gun Carriage Factory at Madras.	Rs. 5,120

2. Arrangements should be made to complete, as soon as possible, the improvement of the water-supply of the Gun Carriage Factory, for which funds have been now provided.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" " " V "
" Examiner, Public Works Accounts.
" Military Department.
" Director-General of Ordnance.
"

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated May, 3rd.

Recd.

Enel.

G.O., 3rd May 1889, No. 1179 W.

MAY.

Funds

Certain transfer of —, sanctioned.

Ordnance Works.

No. G. 86

3237 ORDNANCE OFFICE :
Fort Saint George,
2nd November 1889.

From

Major General H. McLEOD, R. A.,
Inspector General of Ordnance.

To

The Secretary to Government,
Military Department.
Madras.

Sir,

I have the honor to forward duly countersigned in token of approval, a revised Estimate with plan, amounting to Rupees 5,005 for improving the water supply of the Gun Carriage Factory Madras, with a view to its being approved by Government in the Military Department and transferred if approved, to the Public Works Department for disposal.

2. When the work was about to be commenced, it was found that if constructed in accordance with the plan accompanying the Estimate sanctioned in G. O. No. 708 W. Public Works dated

Military Department No 2113 dated 26th March 1889.—

dated 9th March 1889 it would not meet the desired object as the force of water would have been insufficient. The Superintending Engineer V Circle was therefore requested to draw up another plan in communication with the Superintendent of the Factory and this has now been done.-

3.- The work is one of great urgency and as funds have already been allotted vide G. O. No 1179 W. dated 3rd May 1889. Public Works. I would request that early sanction may be given to the Estimate and that the Superintending Engineer V Circle may be instructed by Government in the Public Works Department to proceed at once with the work and carry it out to completion as expeditiously as possible.-

× Military Department No 3427 dated 27 May 1889.-

3237 27

I have the honor to be,
Sir,
Your most obedient Servant,
H. McLeod Major General R.A.,
Inspector General of Ordnance.

C.W.B

PC 26. 3. 1889 no 2113. R
" - 27. 5. 1889 no 3427 R

Military {1889} Department.

No. 8094

From

Major General H. McLEOD, R. A.,
Inspector General of Ordnance,
Fort Saint George,

To

The Secretary to Government,
Military Department.

Madras.

DATED 2nd
RECEIVED 5th November 1889.

G.O. 1179 dt 13.5.89
" 708 dt 9.3.89

No. 86

Forwards Estimate for water supply Gun Carriage Factory for transfer if approved to Public Works Department.—

No. 7664.

Approved and transferred to the Public Works Department for disposal.

A. Kennet Herbert Lt Col
Secy. to Government

Fort Saint George
5th November 1889

civil 7/11/89

3237

Public Works Department.

No

Current No. 10,610
Letter No. 7664
Dated 5th November 1889
From the Military Deptt.—

P/55/ Sanction

Note of Remarks.

The revised Estimate under review amounting to Rs 6,005 for the Water Supply to the Gun Carriage Factory at Madras is submitted for Sanction in Supersession of the Est. for Rs 5,120 sanctioned in G.O. No 708 M dt 9th March 1889.

The revised Est. shows a saving of Rs 115—

It is explained that the necessity for the revision is due to the force of water being insufficient

Maj

and the general plan & Estimate have been prepared by in Communication with the Supdt of the Factory, and are approved by the Inspector General of Ordnance who has countersigned the plan & Est:

It is stated that the work is one of great urgency and that Funds have already been allotted

The rates for Concrete and brickwork are fair, piping cannot be checked —

Contingencies are provided for at 2½ % & Petty Supervision for four months at Rs 25 per mensem = Rs 100 which appears reasonable in the Estt: —

C.E.
8/11/89

Asst Engineer
Mily Works

PUBLIC WORKS DEPARTMENT.

3237 at 3237 W

A

PROCEEDINGS OF THE MADRAS GOVERNMENT.

16 — 11 — 1889.

READ the following

From the Inspector General of Ordnance. No. G/86 d/12th Nov. 1889.
Endorsement in the Military Department No. 7664 d/15th Nov. 1889.

The revised estimate amounting to ~~Rs~~ 5,005, for improving the water-supply of the Gun Carriage Factory at Madras, is sanctioned in supersession of the estimate of Rs 5,120 sanctioned in G.O. No. 708 W, d/19th March 1889.

2. The work should be carried out as quickly as possible.

3. This sanction has been registered as Imperial No. 22 W of 1889-90, and classified as Military Original Works.

Jus 15/11

22/11/89

To
The S.E. V Circle. ✓
with 5 enclosures.
a Estate P.W. Accts
with the dup abstract estimate.
a Military Department.

Maj

W.M.
11.11.89

Recd 14.11.89

10610,

Govt. of 18 Madras.

PUBLIC WORKS.

Draft

Sect.

Encl.

16-11-87

G.O. 16th Nov. 1887 No. 3237/W.

Water Supply of the Gun Carriage Factory at Madras.

Revised Estimate amounting to Rs. 5005, for improving the Cantonment.

22C 1611

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