

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2684	Press	<i>Original</i>
B.P. No.		Mis.	
Dated	5-10	1876	
		195	

Not to be folded or roughly handled

Read the following papers:—

No. 79. From Major P. MONTGOMERIE, R.E., Officiating District Engineer, Presidency, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Fort St. George, 5th September 1876, No. 3,093.

I HAVE the honor to submit, for the sanction of Government, a revised estimate and comparative statement, amounting to Rupees 5,153, for constructing a wrought iron cistern and fitting up new pump and piping in the Government House.

2. The original estimate, amounting to Rupees 4,500, was sanctioned in G.O., No. 1,929, dated 6th July 1875. The cause of excess is due chiefly to omission in the original estimate of the cost of masonry work and a double-acting pump which were found necessary during the execution of work.

3. The work was completed last year and Rupees 4,754 were paid for, leaving the cost of the pump which has not been estimated for. I request therefore that Government will be good enough to accord their sanction to the revised estimate now submitted, and allot a sum of Rupees 400 to enable me to adjust the bill for the pump in question.

No. 79-A. From the same Officer, dated 28th September 1876, No. 3,510.

WITH reference to your memorandum No. T-929, dated 7th September 1876, I have the honor to submit in original the explanation of Mr. Grainger, the General Superintendent of Public Work Stores, &c., regarding the omission of pump and masonry work from the originally sanctioned estimate, amounting to Rupees 4,500, for a cistern in the Government House.

2. Mr. Grainger now states that the masonry work should have been added in District Engineer's office to the estimate prepared by him; but as a draughtsman and estimator of this office appears to have been sent to Mr. Grainger to assist him in the preparation of this estimate, I am of opinion that he should have included in it all the requirements necessary for the construction of the cistern.

3. The omission of the masonry work was however noticed during the progress of the work, and Lieutenant Baddeley was directed by Major Ross Thompson to carry out the same, as Mr. Grainger had not the means of executing such works under his charge.

4. These omissions were noticed by the District Engineer, and a revised estimate and comparative statement called for in March 1876 for submission to Government for sanction, but they were long delayed by the General Superintendent, as will be seen from the concluding part of his letter now submitted.

5. The number and date of the letter with which the revised estimate and comparative statement were submitted was 3,093, dated 5th September 1876. The individual responsible for this omission has been duly punished.

Proceedings of the Madras Government, Public Works Department,
5th October 1876. No. 2,684.

From J. N. GRAINGER, Esq., General Superintendent, Public Works Workshops and Stores,
to Major P. MONTGOMERIE, R.E., Officiating District Engineer, Presidency, dated
Madras, 23rd September 1876, No. 2,443.

In reply to your endorsement No. 3,155 of 9th instant, on memorandum No. T-929 of
Officiating Deputy Chief Engineer, Public Works Department, dated 7th instant, relative to the
erection of water service at Government House, Madras, I have the honor to state that the estimate
prepared by me, dated 21st April 1875, and forwarded to you provided for iron work only, which
was all that the workshops could undertake; the items for masonry should therefore have been
added to my estimate for iron work in your office, that part of the work having been done by your
people under Lieutenant Baddeley, R.E.

The estimate did not provide for a new double-action pump, as the pump formerly used was
considered capable of doing the work required as it had done so hitherto, vide my letter No. 788,
of 1st June 1876, in which I explained that during my absence on privilege leave the double-
action pump was sent to Government House under Major Ross Thompson's verbal sanction.

On my return from leave in November 1875, and under the orders conveyed in your letter
No. 3,724, of 25th idem, I inspected the water service at Government House and reported it
being in efficient working order in my letter No. 3,667, of 1st December 1875.

On 16th February 1876 I submitted a bill, amounting to Rupees 5,079-4-8, for work done
and material supplied to Government House, the details of the bill being as follows:—

	Rs.	A.	P.
1. To estimated cost for manufacturing one wrought iron cistern with pipes, &c.....	4,500	0	0
2. „ cost of pump	400	0	0
3. „ iron bars, nuts, washers, chains, &c., for temporary supper room	179	4	8
Total ...	5,079	4	8

Item No 1 is in accordance with my estimate; Items 2 and 3 were provided under orders of
District Engineer and were in addition to my estimate. The District Engineer in his No. 5,093,
of 25th February, requested that the above bill should be revised, as the estimate sanctioned in
G.O., No. 1,929, of 6th July 1875, did not provide Rupees 400 for the pump, and also stated that
the chains in Item 3 had been returned to stores. The above bill was cancelled and separate bills
for each of the three items was then submitted by me on 3rd March 1876. The bill for Item 3
being reduced to Rupees 106-8-8.

The District Engineer in his No. 5,666, of 25th March, stated that bill for Item 2 could not be
paid until a revised estimate was submitted and sanctioned. I was also requested to explain the
cause of omission of Rupees 400 for the pump in the originally sanctioned estimate. (This was
explained in my No. 788, of 1st June, above alluded to). The District Engineer further observed
“that a sum of Rupees 254 was also expended by the Assistant Engineer, Southern Range, on
masonry work in connection with this cistern.” This has also been omitted in the sanctioned
estimate. The General Superintendent is requested to submit a revised estimate as soon as
possible.” On 1st June the revised estimate compiled from details of the pump was sent with my
letter No. 788, and returned on 7th idem with your No. 1,217, requesting me to send a revised
estimate and comparative statement for Rupees 5,153, which “should include the masonry work
carried out by the Southern Range Officer” and until this I never understood that I had to
estimate for the masonry work done by your own office people.

The workshop estimator being engaged on other estimates the revised estimate and compara-
tive statement was prepared in due course and submitted on 12th July.

Proceedings of the Madras Government, Public Works Department,
5th October 1876. No. 2,684.

No. 80. ORDER THEREON, 5th October 1876, No. 2,684.

CIVIL WORKS, No. 3-A.

(a) Heads of Service.—Provincial.
Fund.—Ordinary.
Class.—Original Works.
Main-head.—Civil Buildings.
Sub-head.—N, Government Houses and Residences.
Name of Work.—Iron cistern, pump, pipe, &c., for
supplying water to bath-rooms at Government
House, Madras.
Amount.—Rupees 5,153.
To be carried out by the Public Works Department.

THE revised estimate, amounting to
Rupees 5,153, is sanctioned. The sum
required during the current official year
being below Rupees 500 no specific allot-
ment is required.

2. The District Engineer is respon-
sible for the accuracy of all estimates that
are submitted by him to Government.
And should in this instance have prepared

the revised estimate in his own office, as the extra charges are for masonry work
executed under his orders, and a new pump ordered by him. He will report whether
the old one is still serviceable, and what has become of it.

3. The above sanction has been registered as Provincial No. 153 W. of 1876-77

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the District Engineer, Presidency.

„ Examiner of Public Works Accounts.

Exd. S. T. Austin.
Spare Copies

58.
 Revised detailed estimate of the probable cost of constructing a
 wrought iron cistern 18' x 15' x 3' 6" and fitting with new Pump and piping
 for use in the Government House. Vide District Engineer's No. 217
 dated 6th June 1876.

Particulars of Work	No.	each	total	length width thickness	Quantity	Total of amount
Bottom plates	1	18'	18'	15' 3/4"	1050	
Side plates	2	18'	3' 6"	3 1/2"	1890	
do at ends	2	15'	30'	3 1/2"	1575	
Angle irons at corners	1	80	2 1/2"	3 1/2"	520	
do at top	1	66	2 1/2"	3 1/2"	429	
Flat iron for joint straps	2	18'	2'	3 1/2"	1090	
Angle iron stays at top (longitudinal)	2	18'	36'	2 1/2"	234	
do do cross	3	15'	45'	2 1/2"	293	
						10087
Rivets of 3/4" iron	77	4000			1520	1520
Red lead painting inside and outside of cistern	sq				10	10
White lead paint 1 coat inside					5	5
Tar paint 1 coat outside					5	5
Teak wood beams	2	15 3/4'	31' 6"	15'	9 3/4"	
do cover for cistern	1	18'	18'	15' 2"	45'	82 1/2
White lead paint 2 coats for cover of cistern	sq				7	7
Pipes casting for barrels	lbs				96	96
do for air vessel and valve chambers					526	526
wrought iron work					140	140
rod for handles					1/2	1/2
used rubber washers					16	16

Abstract of the foregoing revised Estimate.

Hide Europe for Valves
 Nuts of sizes
 Labor
 Fuel &c.
 Contingencies

R: 196-0-0
 5-0-0
 17-13-9

Wrought iron pipe 2" diameter
 do 1 1/2 "
 Cast iron stand pipe 6" "
 Brass cocks 1 1/2" diameter
 do 1"

Masonry scaffolding and other charges not
 contemplated } Papers 253-0-0.

Pres. Workshop D.M.D.
 Chepauk
 12 July 1876

J.H. Winger
 Genl Supt D.M.D.

Quantity Description of Work Rate per Amount Total

10081 Wrought iron work for cistern 3. # 1890 3.
 1570 Rivets for cistern 6. 562 80
 82 1/2 Cft Teak timber 4. 330 0 0
 10 Sq ft Red lead paint 1 Coat 1 8. 15 0 0
 7 " white 2. 14 0 0
 5 do 1. 6 4.
 5 do Two coats 1. 5 0 0
 300 Carbine 30 0 0
 400 Fitting & rivetting charges at Govt House 250 0 0
 3 Contingencies at 5% Per Cent 15 6 8
 7 Total of cistern Papers 3258 0 0

96 lbs brass Castings 12 6 75 0 0
 526 " iron 210. 49 3 6
 140 " Wrought iron work 3. 26 4 0
 1/2 Cft Teak timber for handles 4. 2 0 0
 16 lbs Vulcanized Indian Rubber 1 8. 24 0 0
 4 " Hide Europe for Valves 1 11. 6 12 0
 26 Nuts of sizes 49
 Labor 196 0 0
 Fuel &c. 5 0 0
 Contingencies at 5% 14 2 8
 Cost of one Pump Papers 47 13 9 400
 400 0 0

300 Rft wrought iron pipe 2" 1 2. 337 8 0
 400 do 1 1/2 " 14. 330 0 0
 3 Cast iron stand pipes 6" diameter 18 6. 55 2 0
 7 Brass cocks 1 1/2" diameter 12. 84 0 0
 4 do 1" 8. 32 0 0
 Cost removing old piping and setting up the new piping 200 0 0
 Carried over Papers 1058 10. 3638-0 0

P.W.D.

C 276

No. 1000

98

Brought over Refuses	1058.00	3681
Removing the old pump and fitting up the new one instead	100.00	
Carriage to Govt. House	25.00	
Contingencies at 5%	62.60	
<u>Cost of piping & fitting Refuses</u>	<u>1245.60</u>	

Brickwork in chimney, scaffolding & other sundry charges not contemplated 258.30

Total Revised Estimate Refuses 5153.00

Pres. Workshop P.W.D.
Chepauk 12 July 1876

J. N. Manger
Quadrant P.W.D.

Ching Jee
Major P.W.D.

Official Seal
P.W.D.

C 276

P.W.D.

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Comparative Statement Showing the increased amount of this Revised Estimate over the Original one for
Constructing a Wrought iron Cistern and setting up new pump and pipes for the Government House water Service

Description of Work 1	Original Estimate 2					Revised Estimate 3					Difference 4		Remarks	
	No. and date of whom Sanction framed	By or Quantity	Rate	Per Amount	Total	No. or Quantity	Rate	Per Amount	Total	Decrease	Increase			
Brought over														
<u>Piping</u>														
Wrought iron pipe 2" — 300		1	2	Per	337 8	300	1	2	Per	337 8				
do 2" 1 1/2" — 400			14		350	400		14		350				
Cast iron Stand pipes 1" 3		18	6	Each	55 2	3	18	6	Each	55 2				
Brass Cocks 1 1/2" 7		12			84	7	12			84				
do 1" 4		8			32	4	8			32				
Removing old piping & setting the new					200				200					
do & resetting the old pumps					100									
do old pumps & setting up the new									150					
Cart hire					25				25					
Contingents at 5 Per Cent					58 6				58 6					
Cost of piping Pipes					1242				1242					
<u>Masonry &c</u>														
Brick work in Churnam Scap									253					
- folting & other sundry charges														
Cost of Masonry &c									253					From necessary during the execution of work
Total increase Pipes					4500				5153					
									4500					
									653					

J. W. Grainger Genl Supt. D. W. Work Shop & Store
Ly. C. No. 1929 of 16th July 1876

5. September 1876.

Edg
15/9/76

Montpelier Major R.E.
Offg. District Engineer
Residency

10
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the Chief Engineer
Bridgman

the Chief Engineer, and
Secretary to Government
1876

Chief
Engineer
Bridgman
Statement.

I have the honor to submit for the
Sanction of Government a revised Estimate
and a comparative Statement amounting
to \$18,500 for a structure, as wrought iron
columns and filling of new pump and
lifting in the Government House.

The original estimate amounting to
\$25,000 was sanctioned on 6.10.1879. The
excess of \$6,500 is due chiefly
to increase in the original estimate of the cost
of masonry and a double acting
pump which was found necessary during
the execution of work.

The work was completed last year, and
\$18,500 was paid for - leaving the cost
of the pump which has not been estimated
for

for. I request therefore that Govt. will be good
enough to accord their sanction to the revised
estimate now submitted, and allot a sum
of Rs 400- to enable me to adjust the bill for
the pump in question.

I have the honor to be

Sir,
Your most obedient servant

Plouffe Henri. Esq. R.E.

Offg District Engineer
Residency.

For St. George
Sept. 7th. 3
E. G. S.

1876

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806-7-75 No 1929.

P.W.D.
6 SEP 76

No. 1929

C.E. No. 777 Sept 7/76

Letter to Chief Engineer
dated 28 Sept 76.

Enc. 2. No 5093.

Chamberlain & Co.
Water Pumping

Stationary Engineering

1875 5103 for construction

and a wrought iron

engine &c in the front

House.

1279

Civ. 3.10.76 P.W.D. 5-10.76
Despatch to 30-8-76

No 3510

From,

The District Engineer
Burdwan.

The Deputy Chief Engineer
P.W.D.

Encl.
1. Letter No
2473 dated
22 Sept 76.

Sir,
With reference to your Memorandum
No. 247 dated 7th September 1876, I have the
honor to submit in original the explanation
of Mr. Granger the General Superintendent
of P.W.D. as to regarding the omission of
masonry work from the origi-
nally sanctioned estimate amounting to
Rs. 4,500 for a cistern in the Govt. House.
Mr. Granger mentions that the
masonry work should have been added
in District Engineer's Office to the estimate
prepared by him; but as a draftsman
and estimator of this office appears to have
been sent to Mr. Granger to assist him
in the preparation of this estimate, I am of
opinion that he should have included in
it all the requirements necessary for the
construction.

construction of the cistern.

3. The omission of the masonry work was however noticed during the progress of the work and Lieutenant Baddely was directed ^{by Major Ross & Thompson} to carry out the same, as Mr. Grainger had not the means of executing such works under his charge.

4. These omissions were noticed by the District Engineer and a revised estimate and Comparative Statement called for in March 1876 for submission to Govt. for sanction, but they were long delayed by the General Superintendent as will be seen from the concluding part of his letter now submitted.

5. The No. and date of the letter with which the revised estimate and Comparative Statement were submitted was 3093 dated 5 September 1876. The individual responsible for this omission has been duly punished.

I have the honor to be

Sir,
Your most obedient servant

Montagu Major

Offg. District Engineer

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1876)

estimate

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886-7-75 No 1929

P.W.D.
220776
NA

To
The District Engineer
Presidency
S. 100.
Recd 28th Sept 1906
Encls. No 8570.

Submit explanation
of expenses incurred
for. Also regarding the
masonry work for a
cistern at Fort House

No 79 A.

cc - 3.10.76 P.W.D. 8-10.76
Desp to P.W.D. 30-9-76

No 2684 234
Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 5th Octr 1896.
Read the following :-

From

The Dist. Eng^r Presidency (No. 3093 of 5th Sept 1896)
do do (No. 3510 of 28th Sept 1896)

The revised Estimate
amounting to Rs 5153 is
sanctioned. The sum re-
quired during the current
official year being below
Rs 500, no specific al-
lotment is required.

The District Engineer
is responsible for the
accuracy of all Estimates
that are submitted by
him to Government. And
should in this instance
have prepared the revised
Estimate.

Estimate in his own Office,
as the extra charges are
for masonry work executed
under his orders, and a
new Pump ordered by him.

He will report whether the
old one is still serviceable,
and what has become of
it.

The above Sanitation
has been registered as
Provincial No 153 M. of
1876-77-

1879-80

10/10/80

6446
1876
Sob. of 1876 Madras.
PUBLIC WORKS.

To
The B. & F. Railway

Dated

Issued

Recd

Encl

G. O. 5th Feb. 1876, No. 7067

Nos.

From station pump pipes
etc for supplying water
to bath-rooms at Govt
House. Madras. The
revenue of Estimate for
constructing —
can alone of with
manuscripts —

10/10/80
11/11/80