M.R.O. 1—4,002—16 9-48.

(1) Number of pages 1

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 821 (W) Press
B.P. No. Mis.
Dated 31-3 1876.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 31*st March* 1876.

No. 518. Read the following letter from Major ROSS THOMPSON, R.E., District Engineer, Presidency, to Colonel W. T. F. FAREWELL, Officiating Deputy Secretary to Government, Public Works Department, dated Fort St. George, 15th March 1876, No. 5,402 :—

1 Memorandum.
1 Mr. Grainger's explanation, with one enclosure.
1 Major Nepean's explanation.
1 Demi official letter from Superintendent, Gun Carriage Factory.
1 Estimate.
1 Mr. Grainger's memorandum, dated 21st January 1875.
1 General Superintendent's docket No. 4,249, dated 9th February 1875.
1 Bill for Rupees 74-3-0.
1 Do. for Rupees 51-6-1.
1 Major Nepean's demi-official.
1 Do. do. dated 16th November 1875.
1 Receipt from General Superintendent for Rupees 29-9-0.
1 General Superintendent's letter, No. 3,432, dated 18th November 1875.
1 Do. No. 3,659, dated 1st December 1875.
1 Major Nepean's letter, ,, 2nd ,, ,,

ADVERTING to your memorandum No. 240, of 3rd February 1876, I have the honor to forward herewith a memorandum upon the Public Works Workshop claim against Major Nepean for gas generators supplied to him on January and February 1875.

Memorandum on correspondence regarding Major Nepean's objection to certain charges in a Department Public Works Workshop bill for one lead and one copper gas generator supplied in January and February 1875.

THE accompanying papers show that on the 21st January 1875 the General Superintendent of Public Works Stores received verbal instructions from Major Nepean to construct for him one lead gas generator and one copper gas generator.

2. Major Nepean at the same time left a rough plan, with dimensions of the generators he required, with the General Superintendent for his guidance.

3. The lead and copper generators appear to have been completed and despatched to Major Nepean respectively on the 27th January and 4th February 1875.

4. On the 17th March 1875 the General Superintendent sent a bill for the articles to Major Nepean amounting to Rupees 74-3-0, as follows :—

	£	RS.	A.	P.
One lead gas generator		14	2	0
One copper do.		59	10	0
Cooly hire, &c.		0	7	0
Total ...		74	3	0

5. Major Nepean not acknowledging the receipt of this bill, nor paying the amount, a number of reminders were sent to him, dated as follows :—

30th July 1875.
27th August ,,
17th September ,,
30th do. ,,
6th October ,,
29th do. ,,

6. In a letter (without date, but bearing the workshop office docket as having been received on the 4th November 1875) Major Nepean wrote as follows to the General Superintendent :—

" Dear Sir,

" About a month ago I requested one of your Foremen 'Francis' to let you know that there was a mistake in the charge made against me for the copper gas generator, and I was in hopes

that you would have made the correction in the account against me. I am charged Rs. 59-10-0 for this generator, whereas the charge should be Rupees 15 *at the outside*."

* * * *

7. On the 16th November 1875 Major Nepean forwarded the sum of Rupees 29-9-0 to the General Superintendent with the following observations :—

* * * "I have the pleasure to forward Rupees 29-9-0 in payment of my account with your department.

"The account furnished by you is for Rupees 74-3-0, but as the charge for the copper gas generator is obviously a mistake Rupees 59-9-0. I have forwarded Rupees 15 as being fair payment for this."

* * * *

8. On the 18th November 1875 the General Superintendent acknowledged the receipt of Major Nepean's letter and Rupees 29-9-0, and forwarded to Major Nepean a revised bill amounting to Rupees 51-6-1 instead of Rupees 74-3-0. The General Superintendent explained that, in consequence of a clerical error, the bill had been made out for Rupees 74-3-0 instead of Rupees 51-6-1; also that he had examined the items of the revised bill and found that none were overcharged, that consequently Major Nepean was still in debt to the Workshop Rupees 21-13-1.

9. In G.O., No. 3,003, of 27th October 1875, the claims against Major Nepean were remitted for recovery through the Military Department. Major Nepean's explanation* relative to the claim preferred against him was forwarded to the Secretary to Government, Military Department, by the Adjutant-General, under cover of his letter, No. 585, of 23rd November 1875. In a letter No. 3,803, dated 10th December 1875, the General Superintendent offered his explanation† upon the subject to the Presidency District Engineer, and submitted details for his revised bill of Rupees 51-6-1. Major Nepean's and the General Superintendent's letters are marked A and B respectively, and are attached in original to this memorandum.

* A.

† B.

10. The following is an abstract of the General Superintendent's bill of Rupees 51-6-1 :—

	RS.	A.	P.
Materials and labor	35	10	0
Workshop centage on labor	13	5	7
Centage for superintendence	1	15	6
	50	15	1
Add cooly hire for conveyance of generators to Major Nepean...	0	7	0
	51	6	1

This means that a workshop centage of 37·47 per cent. is charged on material and labor employed in construction of an article, and that a superintendence centage of 4 per cent. is charged on the value of material and labor, plus workshop centage. It is not clear why a superintendence centage should be charged on the workshop centage, as well as on the value of materials and labor.

11. The two generators in question were forwarded to the Superintendent of the Gun Carriage Factory on the 14th March 1876, by the District Engineer, Presidency, with a request that an estimate might be framed at the Gun Carriage Factory for the construction of two similar generators at that establishment. The estimate with a covering letter from the Gun Carriage Factory Superintendent is attached in original to this memorandum; compared with the Public Works Workshop bill for the generators, we have as follows :—

Gun Carriage Factory.	RS.	A.	P.	Public Works Workshops.	RS.	A.	P.
Materials	16	8	7	Materials	29	7	3
Labor	15	7	10	Labor	6	2	9
	32	0	5		35	10	0

So far there is no striking difference between the Public Works Workshop and Gun Carriage Factory estimates in the totals, but there is a curious difference between them in the amounts charged for materials and labor respectively. Thus Public Works Workshop's charge for materials is nearly double that of the Gun Carriage Factory. On the other hand, the Gun Carriage Factory charge for labor is nearly three times that of the Public Works Workshops.

12. The Superintendent of the Gun Carriage Factory states that on articles made at the factory no additional charges are made for profits, but a centage is added for supervision. This centage amounts to 43 per cent., but only on the value of materials. It has been shown that the centage in the Public Works Workshops on the two generators is 37·47 per cent. on both labor and materials, with an additional 4 per cent. on the sum of the value of labor, value of materials, and value of 37·47 per cent. on value of materials and labor.

13. The value of the generators, if made up at the Gun Carriage Factory, would be with the factory centage as follows :—

	RS.	A.	P.
Materials	16	8	7
Labor	15	7	10
Forty-three per cent. on materials	7	1	9
	39	2	2
Cost of generators if made at Public Works Workshops	50	15	1
Do. do. Gun Carriage Factory	39	2	2
Difference ...	11	12	11

as the case now stands Major Nepean considers that Rupees 29-9-0 is a fair valuation for the articles. This amount he has paid to the Public Works Workshops.

The General Superintendent considers that Rupees 50-15-1 is the value, and claims from Major Nepean the balance, *viz.*, Rupees 21-6-1 + cooly hire 7 Annas = Rupees 21-13-1.

FORT ST. GEORGE,
March 1876.

(Signed) ROSS THOMPSON, Major, R.E.,
District Engineer, Presidency.

No. 519. ORDER THEREON, 31st March 1876, No. 821.

ACCOUNT, No. 20-AA.

THERE is apparently no question between Major Nepean and the Workshops regarding the charge of Rupees 14-2-0 for the lead gas generator pot.

2. The charge for the copper pot is made up thus, *viz.* :—

	RS.	A.	P.
Labor	3	4	3
Fifty per cent. on labor	1	10	2
Materials	15	5	10
Forty-eight and half per cent. on do.	7	7	2
Brass castings	7	11	0
	35	6	5
Four per cent. superintendence	1	6	8
	36	13	1

Major Nepean is stated not to object to Rupees 5 of this sum chargeable to a brass cup and screw supplied for the lead generator, but considers Rupees 15 a sufficient set off against the balance of Rupees 31-13-1,

Proceedings of the Madras Government, Public Works Department,
31st *March* 1876.

3. It does not appear that the Workshop charges on this particular occasion have been exceptional, and Major Nepean having made no previous condition must abide by those charges.

4. It is quite impossible to institute a comparison between the Workshop and Gun Carriage rates, the items for labor and materials varying so greatly. The charge of 7 Annas for cooly hire cannot be contested.

5. The Presidency District Engineer, under whose orders the Superintendent of the Public Works Workshops is placed, will regulate the percentages charged in such a manner as, while allowing a fair remuneration, shall not drive away all custom. And the Superintendent himself will be careful to avoid such grievous errors as led to Rupees 74-3-0 being charged originally instead of Rupees 51-6-1; his explanation of the cause of which being a clerical error is not intelligible. Nor if it were, would it be satisfactory.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

PRESIDENCY DISTRICT ENGINEER'S OFFICE,
Fort Saint George,
15 March 1876.

No. 5402.

From

THE DISTRICT ENGINEER,

PRESIDENCY,

To

THE Offg. Under Secretary
to Government P.W.D.

Sir

Adverting to your Memo: No: 240 of 3d February 1876, I have the honor to forward herewith a Memorandum upon the P.W. Workshop claims against Major Nepean for gas generators supplied between January and February 1875.

I have the honor to be
Sir,
Your most obedient servant

W Thomson Major R.E.
District Engineer
Presidency.

Enclos:
1 Memo:
1 Mr Grainger's Explanation, with 2 enclosures.
1 Major Nepean's Explanation.
3 Mem: Official.
1 Letter from Supdt.
Gun Carriage Factory.
1 Estimate.
1 Mr Grainger's memo: of 21.1.75
1 Supdt Supplts Ckl No. 4249 of 9 Feby 76.
1 Bill for Rs 74-3-0
1 do for Rs 51-6-1
1 Major Nepean's demi official.
1 — do — of 16.11.75
1 Receipt from Supdt for Rs 29-9-0
1 Supdt Supplts letter No: 3632 of 18 Nov. 75.
1 — do — No: 3659 of 1 Dec: 75
1 Major Nepean's letter of 22 Nov. 75

FORMER CASES.

Current No. 7529 of 1875.
" 7539 "
" "
" "
" "

M. WORKS FORM No. 3.

Current No. 2098.

From

The Dr Engineer
Presidency

No. 5402
Dated 15 March 1876.
Recd. 22

Subject:— Forwards Memorandum on the P.W. Workshop claim against Major Nepean for Gas generators supplied &c.

LATER CASES.

Current No. of 187 .
" "
" "
" "

ENCLOSURES. 16

From to
" "
" "
" "

Orders and Proceedings in file.

Department.	No.	Date.	ENDORSEMENTS. Department.	No.	Dated.
P.W.D.					
3003	27-	10-75.			
Ref 283	27-	11-75.			
Memo	240	3/2/76			
Ch. 7539					

No 5-15-

Gen. Supt. P.W. Workshops and Store

5

Proceedings of the Madras Government, Public Works Department, 27th October 1875.

No. 374. Read the following endorsement of the District Engineer, Presidency, dated Fort St. George, 19th October 1875, No. 3,176:—

From Lieutenant R. E. HAMILTON, R.E., in charge of Presidency Stores and Workshops, to Captain ROSS THOMPSON, R.E., District Engineer, Presidency, dated Chepauk, 16th October 1875, No. 2,830.

I HAVE the honor to forward statement of bills outstanding for the half-year ending 30th September 1875 for submission to Government.

2. Government in their Order, No. 1,405, dated 21st May 1875, remitted the recovery of the amount due by Dr. Stanborough to the Public Department through the Accountant-General, and the Accountant-General who has been addressed on the subject states (copy enclosed) that he has not received any order from Government directing the recovery of Rupees 50-9-1 from Dr. Stanborough.

3. Another item, Rupees 42-7-2, due by Major C. J. Smith, R.E., needs explanation. This bill was submitted in March 1873 to Captain (now Major) Smith, R.E., for the repair of an ice machine undertaken at his request. After Major Smith's return from furlough he was addressed regarding the payment of his claim. In reply, Major Smith states that the ice machine was repaired for Dr. Wilson through him, and to address that gentleman on the subject; but as Dr. Wilson is now in England, the submission of the claim to that officer must be deferred until his return to India.

4. Major H. M. Nepean of the Staff Corps, who owes Rupees 74-3-0 from March 1874, has been frequently applied to for the settlement of this bill, but pays no attention to the demands from this office.

From the Deputy Accountant-General, Madras, to Lieutenant R. E. HAMILTON, R.E., in charge of Presidency Workshops, dated Fort St. George, 23th July 1875, No. 4,723.

Vide your office letter, No. 1,506, dated 27th instant.

The undersigned has the honor to state that no order of Government has been received directing the recovery of Rupees 50-9-1 from Dr. Stanborough.

(Signed) E. RULE,
Dy. Accountant-General.

PUBLIC WORKS WORKSHOPS.

Statement of Bills outstanding for the Half-year ending 30th September 1875.

On whom.	No. and date of Bill.	Adjustment.	Cash.	Nature of Claim.	Remarks.
Public Works Department. 1874-75.		Rs. A. P.	Rs. A. P.		
The Range Officer, Mount.	1,004, 17th Mar.	253 15 0	...	One bell for the Roman Catholic Church. Supplied.	Mount Range Officer states that this bill will be adjusted as soon as funds are allotted.
District Engineer, Bangalore.	1,081, 25th "	30 13 7	...	128 bolts, ¾-inch. Supplied.	Explanation required by the District Engineer, Bangalore, will be shortly furnished.
		284 13 7	...		

Statement of Bills outstanding for the Half-year, &c.—(Concluded.)

On whom.	No. and date of Bill.	Adjustment.	Cash.	Nature of Claim.	Remarks.
Public Department, 1874-75.		Rs. A. P.	Rs. A. P.		
N. R. Pogson, Esq ...	187, 29th June	12 7 10	...	Four bolts for a clock. Supplied.	Reminders sent every month. No reply.
Commissary-General, Madras.	526, 21st Oct.	3,599 14 11	...	Work done to McNamara's filters as per his letter, 1st March 1874.	This bill has been returned by the Commissary-General for submission of a complete bill when the requisition is supplied in full.
Government Astronomer, Madras.	1,035, 19th Mar.	49 1 2	...	A case for packing Browning reflector. Supplied.	Reminders sent every month. No reply.
Do. do. ...	31, 4th June	26 3 3	...	Repairing one barometer and one anemometer and supplying 6 lbs. of mercury, &c.	Do. do.
Do. do. ...	74, 5th ,,	353 2 6	...	Altering telescopic equatorial reflector.	Do. do.
Postmaster, Madras ...	95, 24th ,,	491 10 11	...	Works done and stores supplied.	Explanation regarding the charges asked for by the Postmaster-General has been furnished and the bill will be adjusted shortly.
		4,532 8 6	...		
Private. 1872-73.					
Captain C. J. Smith, R.E.	306, 1st March.	...	42 7 2	Repairing an ice machine.	This bill is for work done for Doctor Wilson, M.D., through Captain (now Major) Smith, R.E. Doctor Wilson is in England. Submission of bill deferred till his return to India.
1873-74.					
Colonel Batten, Commandant, 17th Regiment N. I.	241, 22nd Oct.	...	1 8 8	Repairing tin-box ...	Gone to England.
Dr. Stanborough, Madras.	357, 8th Jan.	...	50 9 1	Do. sucker of a well pump.	In G. O., dated 21st May 1875, No. 1,405, the recovery of the amount due by Dr. Stanborough was remitted to Public Department with a view to the amount being recovered by the Accountant-General.
1874-75.					
R. Wilson, Esq., M.D., Cuddalore.	283, 17th July	...	37 6 9	Repairing 4 lbs. ice machine.	Gone to England.
Major H. M. Nepean, S.C., Madras.	1,010, 17th Mar.	...	74 3 0	One lead and copper generating pot.	Letters and reminders sent every month. No reply.
1875-76.					
F. Doderet, Esq. ...	20, 10th May.	...	4 11 0	Repairing one lamp and three telescopes.	Will be paid shortly.
Hon'ble R. S. Ellis, C.B. Madras.	33, 4th June.	...	12 7 3	Electroplating four badges and four silver Royal Arms. Supplied	Bill submitted.
Kistnappa Naik, Madras.	63, 5th ,,	...	21 11 10	Eight zinc sheets 7 feet by 3 feet. Supplied.	Will be paid shortly.
			245 0 9		
Public Works Department.	...	264 12 7	...		
Public Department ...	...	4,532 8 6	...		
Private	...	...	245 0 9		
Total ...	...	4,817 5 1	245 0 9		

CHEPAUK,
16*th October* 1875.

(Signed) R. E. HAMILTON, Lieut., R.E.,
In charge Presidency Workshops.

(Signed) ROSS THOMPSON, Captain, R.E.,
District Engineer, Presidency.

Proceedings of the Madras Government, Public Works Department,
27th October 1875.

SUBMITTED to the Chief Engineer and Secretary to Government, Public Works Department, with reference to paragraph 2 of G. O., No. 1,479, dated 5th June 1874.

1 Statement.
1 Copy of letter.

(Signed) ROSS THOMPSON, Captain, R.E.,
District Engineer, Presidency.

No. 375. ORDER THEREON, 27th October 1875, No. 3,003.

ACCOUNT, No. 16.

THE claims against Dr. Stanborough, Dr. Wilson, and Major Nepean are remitted for recovery through the Public and Military Departments with request that decided measures may be taken in the matter.

(True Extract.)

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

To the District Engineer, Presidency.
,, Public Department.
,, Military ,,

Exd. W. J. Lewis.

Spare Copies

P. W. 1875 Deptt.
No: 7529

No: 283

Referred to the Ht. Engr. Presidency for report.

From
The Adjutant Genl.

(Sd) L. W. Walker Major Deft. Engrs.
Lieut Colonel Ht. Engrs.

To
The Military Deptt.

Fort St. George
27th Nov. 1875.

Dated 22nd Nov. 1875.
Recd. 25th. —
No: 585.

Explanation of Major Hearn relative to the claim preferred against him by the Officer in charge of Stores &c

With Endorsement

PRESIDENCY WORKSHOPS, D.P.W.,
Madras, 18th November 1875.

No. 343

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS AND STORES,

To

~~The~~ Major A. M. Hearn
Asst. Ceylon Road
Kalpauri

Sir,

Enclosures 1

I have the honor to acknowledge receipt of Rupees 29-9-- forwarded with your letter dated 16th November 1875, I have kept to enclose a revised bill for Rupees 51-6-1 being the cost of the Coal and the Copper Gun Gaw-ster leaving a balance still due by you to the Workshops of Rupees 21-13-1

I may here explain that the mistake in the previous bill was caused by the clerk erroneously striking the total which was marked in pencil 37 to 57. I have carefully examined the items in the Workshops and cannot find a single item overcharged in your account.

I have the honor to be
Sir
Your most obedient servt
J. Upperiger
Genl Supdt PW Workshops and Stores

PW 2095/76
8

Received 10.45 A.M. 2nd Dec. 1875 W.M.K.

PRESIDENCY WORKSHOPS, D.P.W.,
Madras, 1st December 1875:

No. 3659

9

From

THE GENERAL SUPERINTENDENT;
PUBLIC WORKS WORKSHOPS AND STORES;

To

~~The~~ Major H. M. Nepean
37th Grenadiers

SIR,

I have the honor to request that you will have the goodness to send me the Drawing of the Retorts or Gas Generators, which you took from Mr Francis the Foreman, as no copy has been taken for record in this office. If the Drawings cannot be spared I shall feel obliged if you will kindly send me a tracing of the Retorts as they are required for submission to Government with my report which has been called for with reference to a Communication received from the Military Department. If the original Drawings or Copies cannot be furnished, you will greatly oblige by sending the Copper and Lead Gas Generators as they were supplied to you, so that Drawings may be taken of them.

The General Superintendent,
P. W. Workshops,

To

The Major H. M. Nepean
Field Bank

Dated 1st December 1875.
Received
No. 3437
Enclosures.

PW 31 March 76 PW 518

them in this office. An early reply is requested

I have the honor to be
Sir
Your most obedient servt
J. Thompson
Genl Supt of Workshops & Stores

PW 2098/76
9

From
The General Superintendent,
P. W. Workshops,

To
The Major R. H. Keleas
37 & Chuadeir

Dated 1 December 1875.
Received.
No. 3659
Enclosures.

Pg 31 March 76 PW 518

23 NOV 75

PRESIDENCY WORKSHOPS, D.P.W.,
Madras, 22nd November 1875.

No. 3488

10

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS AND STORES,

To

THE District Engineer
Presidency.

SIR,

With reference to G.O. No. 3003 dated 27th October /75 communicated with your endorsement No. 3440 dated 8th November 1875 I have the honor to report that Major Kepean has remitted to me Rupees 29-9-- in payment towards the amount due by him to the Workshops and requested that a reduction might be made in the bill, as he considered the charges a very high. Having referred to the Work-book, I could find nothing in the charges to reduce, but I found an error made by the clerk in inking the pencil total Rupees 37 to Rupees 57. I have consequently furnished Major Kepean with an amended bill for Rupees 51-6-1 and requested that the balance due to the Workshop after deducting Rupees 29-9-- the sum remitted

may

No 17 - Madras - 2nd December 1875

From Major H.M. Iveagh
Staff Corps -
To J. N. Grainger, Esqre
Asst: Supte P. W. Workshops
& Stores -

Sir,

In reply to your letter No 3659 of yesterdays date, and just received by me, I have the honor to state that I have left the two gas generators to which you refer, in charge of Capte Ross Thompson, R.E. with whom I propose also placing the original drawings -

I have the honor to be,
Sir,
Your most obedient Servt
H.M. Iveagh Major
Staff Corps -
3rd Inspection -

---

may be forwarded to me.

I have now the honor to request that the Government may be moved to sanction the sum overcharged in Major Iveagh's bill viz Rupees 22-12-11 being written off to Profit and Loss

By error Rs. 20--
By cartage Rs 2-12-11
22-12-11

I have the honor to be
Sir
Your most obedient servt
J.N. Grainger
Asst Supte Workshops & Stores

P. W. No. 1875 Bdle

From
The General Superintendent,
P. W. Workshops,
Ootacamund

No 7539
Dated 22 December 1875.
Received 26 December 1875.
No. 4485 Rs. 3090

Enclosures.

Sale statement with accounts and Invoices and bill as entered in Executive Engineer's Cash Book

Sale statement with accounts and Invoices and bill as entered in Executive Engineer's Cash Book

Also, the Contractor's Bill for Cement

Chemical Assistant Chief Engineer and Secretary Public Works Department

Mr Grainger Asst Supte Workshops Ootacamund

25.11.75. Ootacamund Dte.

No 16 — 1 Camp Valaveram
16th October 1855

From Major H.M. Vincent —
37½ Pounders.
To The Adjutant
37½ Pounders

Sir,

In returning the enclosed Invoice, the Issue & Expenditure Voucher, & Store Receipt Roll for Mr Francis, the late Sub-Conductor of Stores, Rs: 29-9- & Ast Rs: 74-3- The amount claimed from me —

II. The enclosed Bill will show that I have been, by some mistake, charged Rs: 59-10- for a copper vessel, for generating gas, for which I should not have been charged Rs: 15- or thereabouts —

III. I pointed out this error, some two months ago, to the Superintendent Mr Francis, who had charge of the work, & requested that it might be rectified before I paid the account, so that the Contractor

Rec'd 23 December 1855
C/12/15

Chief Engineer Calcutta
Requests Sir, on behalf of Lieutenant Colonel Crommelin, that you will be pleased to cause the Bill for Rs 15 to be refunded to him, which was charged in error in the Bill for Gas supplied to the Calcutta Theatre

The Workshops is in error in stating that I had paid no attention to the demands from his Office & I request that he may be called upon to verify this Statement.

IV- Lieut Mc Hamilton on the 3rd Instant; again pointing out the overcharge, & I called at the Workshops yesterday for the purpose of getting an explanation from that Office, but Capt Clark had by that time left charge to Mr Ranger and, as the latter Gentleman had not been to Office that day, I was not expected there & could do no more than obtain assurance from Mr Francis that the matter would be looked into and that I should hear from Mr Ranger in the course of the day.

V- I am having a similar copper vessel, to that alluded to, made for Government at the Gun Carriage Manufactory, and on showing it, as a pattern, to the Superintendent of that Department, he informed me that the value

was about Rs: 12 without any profit, and a Mr Adams, also one of the Workmen in Mr Ranger's Department was sometime ago to make me a similar vessel for Rs: 15

VI- I shall feel obliged if you will submit this Communication to the Commandant of the Regiment with the view to it being forwarded for the information of the Adjutant General of the Army.

I have the honor to be,

Sir,

Your most obedt Servt

H. W. Clifton Major

37th Regt Madras

No 367. Madras 17th November 1875.

Strong District.

Forwarded for information of the Adjutant General pursuant to Major Hopeans request.

Horace Coulson Colonel

Commandant 37th Regt

B

PRESIDENCY WORKSHOPS, D. P. W.,
Chepauk, Madras, 10 Dec 1875.

No. 3803

14

From

THE GENERAL SUPERINTENDENT,

PUBLIC WORKS WORKSHOPS AND STORES,

To

THE District Engineer
Presidency

SIR,

Enclosures. With reference to your Endorsement No. 3766 of 29th Ultimo on Major Depeiza's letter relative to the Workshop's Bill for one Lead and Brow Copper Generator I have the honor to enclose a Statement of Material and Labor extract from the Work Book on which the Bill was made and a plan which shews how the Material Copper and Lead were used for this work.

The original Bill for Rupees 74-3-4 was reduced to Rupees 51-6-11 as an error had been made by the clerk sinking in a pencil total of Rupees 37 as Rupees 57 which has been already explained to you in my letter No. 3488 of 22nd Ultimo and to Major Depeiza on the 15th idem. The Bill is made up of two items Rupees 14-2-0 for a lead generator and Rupees 36-13-1 for a Copper

Through the Executive Engineer Fort &c
Bar Main Workshop
Fort St. George
The Undersigned begs to forward herewith Bill No. 42 for Rupees 51-6-11 for Copper Generator &c. &c. &c. for the Laboratory Presidency Police
Requisition No. 1042 dated 10th November 1875 Bar Main Workshop
Head Mistress Female Orphan Asylum Egmore
Requisition No. 1043 dated 10th November 1875 Bar Main Workshop
Head Mistress Female Orphan Asylum Egmore
M.O. 27th Dec 1875

Copper Generator. The first of these items does not include the cost of the brass screw neck and cap fitted to the lead Generator as Major Nepean was in a great hurry to get the lead generator and it was first fitted with a thick leaden collar and wooden cap for temporary use. He took it away from the Workshops in this condition and on the same day the copper generator was commenced, consequently the expenses incurred in making the Brass Cap and Screw neck for the lead generator had to be included along with the charges for making the screw neck and cap of the copper Generator in the Copper Generator Account. The Amount thus chargeable to the lead generator may be taken at about Rupees 5/- so that the actual cost of the lead generator complete with the Rupees 19-2-- Major Nepean (to whom I have explained this) is willing to pay this Amount for the lead generator. The cost of the Copper Generator will thus be reduced to Rupees 31-13-1 and which Amount Major Nepean is not willing to pay. The dimensions of the copper sheet issued from store for this work agree with the weights entered in the Work Book and as the remains of the sheets after cutting out the parts marked

iss

M & S 17/5/75

red in the plans are scrap copper they cannot be received back into Store as new sheet copper. 15

The Estimate of Rupees 12/- and Rupees 15/- given by Major Nepean as the cost of the Copper Generator are not in my opinion reliable.

Lieutenant Hamilton lately in charge of the Workshops was perfectly correct in stating that Major Nepean paid no attention to the demands from this Office. The original Bill was dated 17th March 1875 and the following Reminders were sent:-

No 1595 of 30th July 1875
" 2076 " 27th August "
" 2408 " 17th September "
" 2620 " 30th " "
" 2717 " 6th October "
" 3041 " 29th " "

to which no reply was made until the 15th November when Major Nepean called at the Office. I was not in office at the time but I had been to office that day. Major Nepean states that he pointed out the (supposed) error to Mr Francis the Foreman about the middle of September. Mr Francis says that about the middle of October Major Nepean met him by

accident

accident at the Peoples Park gate, one evening and simply stated that he had been charged too much for the Copper Generator that Rupees 15/- was a fair price.

The whole of the papers and Major Pepeam's plans of the Generators are herewith returned.

I have the honor to be
Sir
Your most obedient Servt
J. Manger
Genl Supt Ord Workshops & Stores

PW 2987/76
12

From

The General Superintendent,

P. W. Workshops,

To

The District Engineer
Bundelcund

Dated 10 December 1875.
Received 12 December 1875.
No. 3503

ENCLOSURES.

Enclosing a plan & statement and details of the boiler for generating gas for Lecture purposes

PG
31 March 76
BR 578

Details for Bill No 1010 dated 17th March 1875 for One Copper Gas generating pot. 16

Particulars	Rate per	Quantity	Labour	Material	Casting	Total
Copper sheet 2-10x12x⅛	- 8. tt	22½		11 4.		
Do Do 6x4x 3/16	- 8. -	¾		- 6.		
Borax	- 1. -	¼		- 3.		
Brass Solder	- 5. -	3/8		- 11		
Charcoal	s - 32 s	4		- 128		
Brass tube 2x½	ft - 26 ft	2		- 5.		
Copper sheet 1x1x⅛	- 8. tt	5		2 8.		
Brass Castings	- 12. -	10¼			7 11.	
Filers	- 96 each	5½	3 4 3			
			3 4 3	15 5 10	7 11.	
Centage			1 10 2	7 7 2	- - -	
			4 14 5	22 13.	7 11.	35 6 5
4 per Ct. for Superintendence						1 6 8
						Rupees 36 13 1
Lead sheet 3x1½x⅛						
Do Do 1x1x⅛	- 2. tt	38		4 12.		
Tin Block	tt - 67. -	½		- 34		
Hydroacid	tt 18. -	¼		- 6.		
Charcoal	Lieu - 32 s	2		- 64		
Brass tube ½	Inches - 26 per	21		- 45		
Teakwood	Cft 26. - cft	1/16		- 64		
Carpenter	- 9. -	1	- 9.			
Turners	- 126	3	2 5 6			
			2 14 6	6 6 5		
Centage			1 7 3	2 12.		
			4 5 9	9 3 5	- - -	13 9 2
4 per cent for Superintendence						- 8 10
						14 2.
						50 15 1
Coolly hire &c						- 7.
						Total Rupees 51 6 1

cheque R. 2987
10th December 1875

J. Manger
Genl Supt Ord Workshops and Stores

PM 29/8/16

Pg 31 March 16 BR 518

14 MAR 76

17

Mr Deputy Chairman

I should like to
congratulate Mr Kaufman
for having got his Motion
prepared by this week to
help us, for making up
the numbers.

Members do not, on any
Motion for profits, but
we do add centage for Su-
perannuation, and I think
this item should be shown

In this case it amounts to 42 per cent on the value of the materials. Here I took this charge on any article that I put up for other departments it would raise the value of all such work which would not be fair. But nevertheless the real value of the sewers

tors is as shown in the estimates. — 14
I hope this is in good time I am

Yours truly
H. Hancock

Pg 31 March 6 Pet 518

Estimate for making up one Copper Generator

12

14 MAR 76

	Materials					
20 lb	Sheet copper 40-4-3	7	3	4		
8 5/8	Brass old Metal gun	2	11	1/2		
2 "	Lead pig English	"	3	1 3/4		
12 Oz	Brass sheet	"	5	3		
11 lb	Coke Tamped Morro Portato	"	2	1/2		
15 "	Charcoal Indian Roots Madras	"	3	9		
1/4 "	Solder Copper	"	1	4		
2 Oz	Borax — 5-4 lb	"	"	8		
2 "	Salmoniac 4-7 lb	"	"	6 3/4	10	14 11
	Workmen					
4	Copper smiths	2	10	8		
4	Bellows Boys	"	6	4 3/4		
1/2	Founder	"	5	4		
6	Turner	4	"	"		
1/2	Filer	"	3	8 1/2		
1/2	Cooly	"	1	10	7	11 11
	Sum Carriage Freight & Insurance				Rupees	18 10 10

14 MAR 76

Pd 31 March 76 BR 518

Estimate for making up one Lead Generator

	Material					
23 ℔	Sheet Lead 10 ℔ ¾ Each	2	1	8		
3 "	Lead pig English 11 ℔ ¾ Each	"	4	8½		
7½ "	Brass old Metal gun 35 ℔ ¾ Each	2	5	6		
9 "	Cobbs Tanfield Iron Pontes 30 ℔ ¾ Each	"	1	11		
1 "	Brass Sheet 49 ℔ ¾ Each	"	7	"		
15 "	Charcoal Indian roots Measure	"	3	9		
3 Oz	Acid Muriatic 1 ℔ 12 ℔ ¾ Each	"	1	1½		
	~~Steam Engine charge~~				5	9 8
	Centage for					
	Workmen					
4	Coppersmiths	2	10	8		
4	Bellows Boys	"	6	4½		
½	Founder	"	5	4		
6	Turners	4	"	"		
½	Filer	"	3	8½		
½	Cooly	"	1	10	7	11 11
	From Centage Factory Estimate					
				Rupees	13	5 7

14 MAR 76

Pg 31 March 76 Bk 518

50
21

Memorandum of correspondence regarding Major Nepean's objection to certain charges in a D.P.W. Workshop bill, for one lead and one copper gas generator supplied in January and February 1875.

1. The accompanying papers show that on the 21st January 1875, the General Superintendent P.W. Stores received verbal instructions from Major Nepean to construct for him one lead gas generator, and one copper gas generator.

2. Major Nepean at the same time left a rough plan with dimensions of the generators he required with the General Superintendent for his guidance.

3. The lead and copper generators appear to have been completed and dispatched to Major Nepean respectively on the 27th January and 4th February 1875.

4. On the 12th March 1875 the General Superintendent sent a bill for the articles to Major Nepean amounting to Rs 74.3.0 as follows:—

One lead gas generator	Rs 12.0.0
One copper do	59.10.0
Cooly hire &c:	0.7.0
	Total Rs 74.3.0

5. Major Nepean not acknowledging the receipt of this Bill, nor paying the amount

a

a number of reminders were sent to him, dated as follows:—

July 30th 1875
August 27th "
September 17th "
—do— 30th "
October — 6th "
—do— 29th "

6. In a letter (without date, but bearing the Workshop Office docket as having been received on the 4th November 1875) Major Nepean wrote as follows to the Genl Supdt.

"Dear Sir

About a month ago I requested one of your foremen Francis to let you know that there was a mistake in the charge made against me for the copper gas generator, and I was in hopes that you would have made the correction in the account against me. I am charged Rs 59. 10. 0 for this generator whereas the charge should be Rs (15) fifteen at the outside.

7. On the 16th November 1875 Major Nepean forwarded the sum of Rs 29. 9. 0 to the General Superintendent with the following observations:—

"I have the pleasure to forward Rs 29. 9. 0 in payment of my account with your Department.

"The account furnished by you is for Rs 74. 3. 0, but as the charge for the copper gas generator is obviously a mistake (Rs 59. 9. 0) I have forwarded Rs 15 as being fair payment for this."

8. On the 18th November 1875 the General Superintendent acknowledged the receipt of Major Nepean's letter and Rs 29. 9. 0 and forwarded to Major Nepean a revised bill amounting to Rs 51. 6. 1 instead of Rs 74. 3. 0. The General Superintendent explained that in consequence of a clerical error the bill had been made out for Rs 74. 3. 0 instead of Rs 51. 6. 1 and also that he had examined the items of the revised bill and found that none were overcharged — that consequently Major Nepean was still in debt to the Workshop Rs 21. 13. 1.

9. In G. O. No 3102 of 27th October 1875 the claims against Major Nepean were remitted for recovery through the Military Depts.

Major Nepean's explanation relative to the claim preferred against him was forwarded to the Secretary to Government Military Dept. by the Adjutant General under cover of his letter No 585 of 23d November 1875.

In a letter No 3513 of 10th Decr 1875 the General Superintendent offered his explanation upon the

the subject to the Presidency District Engineer and submitted details for this revised bill of Rs 32.0.5. Major Repean's and the General Superintendent's letters are marked A and B respectively and are attached in original to this memorandum.

10. The following is an Abstract of the General Superintendent's bill of Rs 32.0.5 viz.

Materials and labor — Rs [illegible]
Workshop cantage — [illegible]
Cantage for superintendence — 1.15.0
Rs 30.9.5
Add cantage for contingencies & Major Repean — 1.7.0
Rs 32.0.5

This means that a Workshop cantage of 4¾ per cent is charged on material and labor employed in construction of an article — and
That a superintendence cantage of 4¾ per cent is charged on the value of materials and labor plus Workshop cantage.
It is not clear why a superintendence cantage should be charged on the Workshop cantage as well as on the value of materials and labor.

11. The two generators in question were forwarded to the Superintendent of the Gun Carriage Factory on the 14th March 1876 by the District Engineer Presidency with a request that an estimate might be framed at the Gun Carriage Factory for the construction of two similar generators at that Establishment. The estimate with a covering letter from the Gun Carriage Factory Superintendent are attached in original to this Memorandum. Compared with the P.W. Workshop bill for the generators we have as follows: —

Gun Carriage Factory.		P.W. Workshop.	
Materials —	Rs 16.8.7	Materials —	Rs 29.7.3
Labor —	15.7.10	Labor —	6.2.9
	Rs 32.0.5		Rs 35.10.0

So far there is no striking difference between the P.W. Workshop and Gun Carriage Factory estimates in the totals, but there is a curious difference between them in the amounts charged for Materials and Labor respectively. Thus — P.W. Workshop's charge for Materials is nearly double that of the Gun Carriage Factory. On the other hand, the Gun Carriage Factory charge for Labor is nearly three times that of the P.W. Workshops.

12. The Superintendent Gun Carriage Factory states that on articles made at the Factory no additional charges are made for profits — but a cantage is added for supervision. This cantage amounts to 43 per cent, but only on the value of materials. It has been shown that the cantage in the P.W. Workshops on the two generators is 37.47 per cent on both labor and materials: with an additional

four

four per cent on the sum of the value of labor, value of materials, and value of 37.47 per cent on value of materials and labor.

13. The value of the generators if made up at the Gun Carriage Factory, would be with the Factory centage) as follows:—

Materials	Rs	16.8.7
Labor	"	15.7.10
43 per cent on materials	"	7.9.7
	Rs	39.2.2

Cost of generators if made at P.W. Workshops Rs 50.15.1

—do— —do— Gun Carriage Factory 39.2.2

Difference Rs 11.13.11

As the case now stands:—

Major Crepean considers that Rs 29.4.0.10d. fair valuation for the articles: this amount he has paid to the P.W. Workshops.

The General Superintendent considers that Rs 50.15.1 is the value, and claims from Major Crepean the balance viz; Rs 21.6.1 + cooly hire 7 annas = Rs 21.13.1.

W. P. Crepean Major R.E.
District Engineer
Presidency.

Fort St. George.
March 1876.

Geo. G. Yolland

Ord 209 ff 6
16

Proc. 31st March 1876
Le £518-
1-£16 Costs

Name Index
Papers from this
Public Works Comm.
Case of Contractors
Ab-
Ord

Pkg 31 March 76 Ord 518

No.

Presidency Workshop D. P. W.

Madras, 9 Feby 1875.

From No. 4249

The General Superintendent,

P. W. Workshops and Stores,

To Major Napean R.C.

Madras

Despatched 9 } Feb 1875

Received ____ }

Enclosure

Your No. dated

Respected Sir

I have the honor to state that one Lead and one Copper Gas generating pots have been despatched on the 27 January & 4 Feby /75

Major Napean R.C.

Madras

Memo.

Required for Major Napean R.C. one Lead & one Copper Gas generating pot. Lead was despatched on the 27 January & 4 Feby /75 is now indispensably required.

9/11/75

Pdg 31 March 76 No 518

No 821

Public Works Department.

34

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 31 March 76.

Read the following :—

From,

The District Engineer
Presidency } (No. 5402 } 15 March 1876.

There is apparently no question between Major Depeau and the Work-shops regarding the charge of Rs 14-2-0 for the Lead Gas Generator &c.

2. The charge for the Copper Pot is made up thus viz:-

Labor	Rs	3-4-3
50 per cent on do	"	1-10-2
Materials	"	15-5-10
48½ per cent on do	"	7-7-2
Brass Casting	"	7-11-0
		35-6-3
4 per Cent Superintendence		1-6-8
		36-13-1

careful to avoid such
grievous errors as led
to Rs 74-3-0 being
charged originally instead
of Rs. 51-6-1; his explan-
-ation of the cause of
which being a clerical
error is not intelligible
Even if it were, would
it be satisfactory.

Give

See the correct
statement submitted
with A.G.'s No. 1891
of 15/3/76 & the
Accounts Code
& Instructions

518/9

D. E. Pradeny 6
Ex. P. Wds 5
Mily Depts 15
Dept 13-4-76.

Ex & Cir 27-3-76

Govt of {1876} Madras.

PUBLIC WORKS.

To

Hon'ble G. Pratt

Dated

Issued

Read. Encl.

G. O. 31st March 1876, No. 841

Nos.

Claim of Daniel Major
Naparam for Jail Generators
Calling for Remarks on the
Memorandum Submitted
by the Chief Engr Presidency
on the Public Workshop
Workshop — Supplied
to Omitted January
Febry 1876 —

Dict 13-4-76.

Ex D Civ 22-3-76

Presidency P. W. Workshops,

Madras, 17th Nov. 1875.

No. 249.

33

Received from Major H. A. Stepsean Staff Corps.

Rupees two nine and annas nine on account of

the Presidency Public Works Workshops as per Bill No. 1010 in part.

Rs: 29-9-0

Attestation

H. Wanper
Genl. Supt. of P. W. Workshops, &c.

Dy 18 Nov/75
No 3482

No 2833.

From
Major H. A. Stepsean
Staff Corps

Dated 16 Nov/75
Recd 17.

P-W 3098/176
6

Forwarding Rs 29-9-
in part payt of bill
No 1010 with certain
remarks.

Dear Sir,

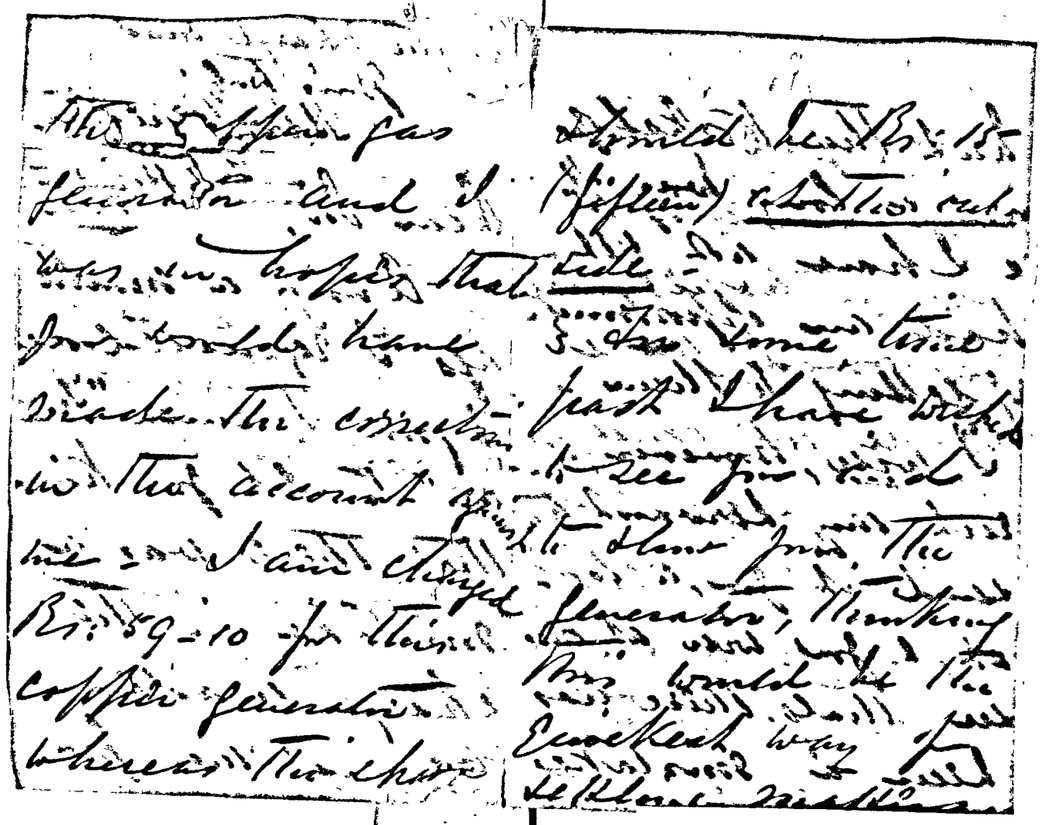
I have the pleasure
to forward Rs: 29-9-
in payment of my account
with your Department.
The account furnished
by you is for Rs: 74-3-
but as the charge for
the coffin has formerly
is obviously a mistake
(Rs: 5-9-10) I have

Dr. 1894

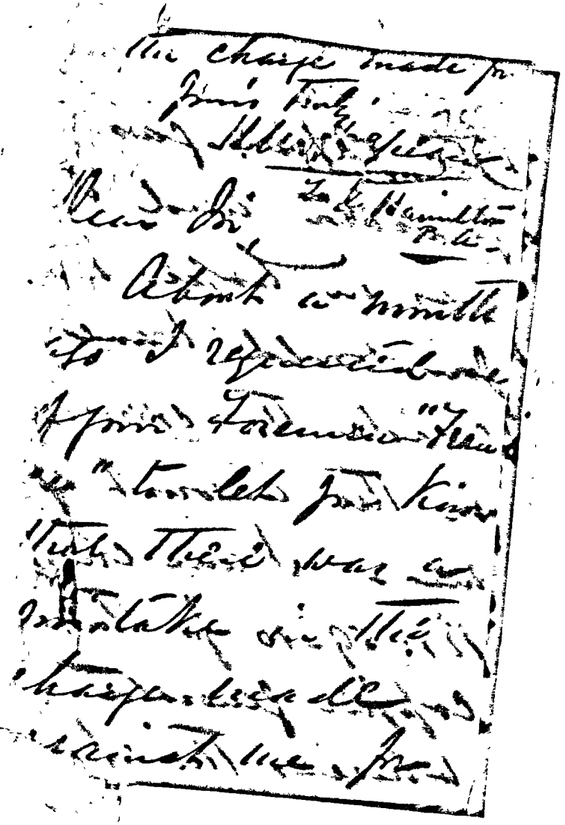
To

Messrs. Parry & Co's Agency
Madras

Requesting Prentice
Bill of Rs. 29-9-
Salem Transmitted



No.



No. 1013. Major A. M. Napean R. E. Dr.

To Presidency Public Works Workshop. Madras

To One Leach Gas generating prot.	14	2	0	
One copper D:o D:o	36	13	1	
supplied as per verbal instructions given on 21 January 1875				
Crosby Shire D:o		7	0	
	Rupees	51	6	1
Rupees fifty one Annas six and pie one.				

CHEPAUK, MADRAS,
17 March 1875

J. H. Trainer
Genl. Supt., P. W. Workshops and Stores.

N.B.—Interest at 5 per cent. will be charged on Bills overdue three months.