15

Archives I—10,006—16-8 77.

(1) Number of pages 30

(2) Date of repair 29. 1. 87

(3) Initials of the Referencer [illegible]

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS DEPARTMENT

G.O. No. ~~B.P. No.~~ 2157 W Press. ~~Mis.~~

Dated 1. 9. 1881 ~~197~~.

Not to be folded or roughly handled

1/2157

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

1st September 1881, No. 2,157 W.

General.
Account.

Read the following papers:—

No. 1. Endorsement of the Superintending Engineer, First Circle, dated 16th July 1881, No. 36-1,205.

From S. OTTMANN, Esq., Officiating Executive Engineer, Buckingham Canal, to the Superintending Engineer, First Circle, dated 12th July 1881, No. 1,150.

IN the "testing tonnage of boats," which is conducted daily at the Basin, so much inconvenience and risk is experienced from the want of proper "weights," that I am necessitated to submit the matter for your consideration and disposal, with a view to sanction being obtained for a supply of proper weights without delay.

2. The maximum tonnage for which weights are wanted is 30 tons, at the present time the weights in use consist of sand-bags, rough blocks of granite, and 20 iron weights, giving about 1,000 lb. in all. I need hardly submit that there is much risk, delay and inconvenience in the use of such rude appliances for testing tonnage.

Also that the arrangement is costly, for bags have constantly to be renewed, sand also replenished, and there are also the charges for constant check of the sand-bags, by weighing them, add also cost for repairs of bags. These charges up to the present time, for materials and labor, amount to Rs. 1,648. These charges are constantly recurring and will continue so, as boats are constantly being brought to "test," new boats are replacing old ones, so that it is absolutely essential to provide ourselves with definite weights once and for all, to ensure against all risks, delays and inconveniences.

At the present time the use of rough blocks of stone is ruinous to boats. They are not readily handled and constantly chip off in use.

The sand-bag weights besides being a ruinous charge are attended with risk in the test, for it is not possible to keep the weights from fluctuating, and if the boats are not quite water-tight there is the risk of losing in the "test," and though the weights of the sand-bags are frequently checked by the sub-division officer, it is not practicable with so many hundreds of them to ensure against risk.

3. In view to providing iron weights for the "testing tonnage," I applied to the Superintendent of Public Works Stores and Workshops on seeing "list of surplus stores available for sale," issued by him, and in which I found 198 weights of 56 lb. at Rs. 4-13-0 each, that officer reduced the price to Rs. 4 each, but that is a ruinous price for old iron, weights though they be. The 198 weights make up nearly 5 tons, a small fraction of the 30 required. I also applied to the above officer for the rate at which he could cast and supply quarter-ton weights. The rate asked is Rs. 140 per ton.

Messrs. Massey and Company were also applied to, who gave a rate of Rs. 130 per ton for quarter-ton weights.

The reason for selecting quarter-ton weights is that the work of testing can be readily conducted; that there is a 2-ton crane available at the basin for using such heavy weights, and that fractions of tons are not admitted in testing tonnage, a fraction of a ton counting as one.

I have inquired in the local market for pigs of iron, such as are used in ballasting boats, but they are not procurable; nor is there any other description of iron in block procurable, which would serve for weights conveniently.

4. Under the circumstances represented, I have the honor to solicit sanction, first, for obtaining the 198 56-lb. weights from the Workshop for present use. The Superintendent of Public Works Stores being required to further reduce the rate, which at Rs. 4 per weight amounts to Rs 160 per ton, an enormous rate for old iron, which it is neither more nor less, and, secondly, that authority be granted for having cast the remaining 25 tons of weights, where it can be done cheapest, as there is not time to order the weights out from England or elsewhere. Messrs. Massey and Company (Napier Works, Madras,) engage to deliver up to 30 tons in six to eight weeks.

P.S.—An estimate, amounting to Rs. 4,100, is enclosed for consideration. The present balance under "Tools and Plant" of the current year's budget grant is Rs. 3,500, which will be in demand for other purposes of the division during the year, a special grant will need to be made on account of the present estimate, "Iron weights for testing tonnage."

(Signed) S. OTTMANN,
Officiating Executive Engineer,
15th July 1881. Buckingham Canal.

SUBMITTED to the Chief Engineer, Public Works Department.

2. The provision of proper weights appears to be very necessary, and it is recommended that the estimate of Rs. 4,100 be sanctioned together with a grant of the amount under Tools and Plant.

(Signed) H. L. PRENDERGAST, Lieut.-Col., R.E.,
Superintending Engineer, First Circle.

No. 1-A. Endorsement of the Acting Secretary to Government, Military Department, dated 23rd August 1881, No. 4,534.

From Major-General R. CADELL, C.B., R.A., Inspector-General of Ordnance, to the Secretary to Government, Military Department, dated Fort St. George, 17th August 1881, No. G 168.

* Weights of 56 lb., No. 198.
" " 1 ton, " 25.

I HAVE the honor to acknowledge receipt of your memorandum No. 4,047, dated 28th July 1881, and to state, for the information of the Honorable the Governor in Council, that there are not available from stock any iron weights as per margin.* Material for their manufacture, which is valued at Rs. 3,364-15-6, is however available, and the Superintendent, Gun Carriage Factory, estimates that the cost of labor would be about Rs. 300, making in all a total of Rs. 3,664-15-6 exclusive of centage, what that centage would amount to the Examiner, Ordnance Accounts, states that he cannot at present ascertain, as the accounts of the Gun Carriage Factory for the past year, which furnishes the data for the calculation, have not yet been closed.

2. Practically should Government sanction the weights being made up in the Gun Carriage Factory, the greater part of the material would not be charged for by the Ordnance Department. It would be merely written off the books, but the price of fuel (viz., about Rs. 610 out of the Rs. 3,364-15-6,) which would have to be replaced at once, will have to be made good by the department requiring the weights.

3. The Superintendent, Gun Carriage Factory, reports that the weights can be easily cast at the Factory under his charge.

4. The abstract estimate is herewith returned as requested.

2/2157

B.

Forwarded.

(Signed) M. C. PERREAU, Lieut.-Col.,
19th August 1881. Offg. Controller of Military Accounts.

TRANSFERRED to the Public Works Department and the previous papers returned.

(Signed) E. L. HANKIN, Colonel,
Ag. Secy. to Govt.

No. 2. ORDER THEREON, 1st September 1881, No. 2,157 W.

SANCTION is accorded to the manufacture of the required weights.

2. It will be observed from the letter from the Inspector-General of Ordnance that the Gun Carriage Factory are in a position to undertake the work. The Executive Engineer, Buckingham Canal Division, will accordingly place himself in communication with the Superintendent of the Factory, reporting in due course the exact sum required for appropriation.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintendent of Works, Buckingham Canal.
" Examiner of Public Works Accounts.
" Military Department.

Exd. S. T. Austin.
Spare Copies

I have inquired in the local market for pigs of iron, such as are used in ballasting boats, but they are not procurable; nor is there any other description of iron in block procurable, which would serve for weights conveniently.

4. Under the circumstances represented, I have the honor to solicit sanction, first, for obtaining the 198 56-lb. weights from the Workshop for present use. The Superintendent of Public Works Stores being required to further reduce the rate, which at Rs. 4 per weight amounts to Rs 160 per ton, an enormous rate for old iron, which it is neither more nor less, and, secondly, that authority be granted for having cast the remaining 25 tons of weights, where it can be done cheapest, as there is not time to order the weights out from England or elsewhere. Messrs. Massey and Company (Napier Works, Madras,) engage to deliver up to 30 tons in six to eight weeks.

P.S.—An estimate, amounting to Rs. 4,100, is enclosed for consideration. The present balance under "Tools and Plant" of the current year's budget grant is Rs. 3,500, which will be in demand for other purposes of the division during the year, a special grant will need to be made on account of the present estimate, "Iron weights for testing tonnage."

(Signed) S. OTTMANN,
Officiating Executive Engineer,
15th July 1881. Buckingham Canal.

SUBMITTED to the Chief Engineer, Public Works Department.

2. The provision of proper weights appears to be very necessary, and it is recommended that the estimate of Rs. 4,100 be sanctioned together with a grant of the amount under Tools and Plant.

(Signed) H. L. PRENDERGAST, Lieut.-Col., R.E.,
Superintending Engineer, First Circle.

No. 1-A. Endorsement of the Acting Secretary to Government, Military Department, dated 23rd August 1881, No. 4,534.

From Major-General R. CADELL, C.B., R.A., Inspector-General of Ordnance, to the Secretary to Government, Military Department, dated Fort St. George, 17th August 1881, No. G 168.

I HAVE the honor to acknowledge receipt of your memorandum No. 4,047, dated 28th July 1881, and to state, for the information of the Honorable the Governor in Council, that there are not available from stock any iron weights as per margin.* Material for their manufacture, which is valued at Rs. 3,364-15-6, is however available, and the Superintendent, Gun Carriage Factory, estimates that the cost of labor would be about Rs. 300, making in all a total of Rs. 3,664-15-6 exclusive of centage, what that centage would amount to the Examiner, Ordnance Accounts, states that he cannot at present ascertain, as the accounts of the Gun Carriage Factory for the past year, which furnishes the data for the calculation, have not yet been closed.

* Weights of 56 lb., No. 198.
" " 1 ton, " 25.

2. Practically should Government sanction the weights being made up in the Gun Carriage Factory, the greater part of the material would not be charged for by the Ordnance Department. It would be merely written off the books, but the price of fuel (viz., about Rs. 610 out of the Rs. 3,364-15-6,) which would have to be replaced at once, will have to be made good by the department requiring the weights.

3. The Superintendent, Gun Carriage Factory, reports that the weights can be easily cast at the Factory under his charge.

4. The abstract estimate is herewith returned as requested.

2/2157

B.

Forwarded.

(Signed) M. C. PERREAU, Lieut.-Col.,
19th August 1881. Offg. Controller of Military Accounts.

TRANSFERRED to the Public Works Department and the previous papers returned.

(Signed) E. L. HANKIN, Colonel,
Ag. Secy. to Govt.

No. 2. ORDER THEREON, 1st September 1881, No. 2,157 W.

SANCTION is accorded to the manufacture of the required weights.

2. It will be observed from the letter from the Inspector-General of Ordnance that the Gun Carriage Factory are in a position to undertake the work. The Executive Engineer, Buckingham Canal Division, will accordingly place himself in communication with the Superintendent of the Factory, reporting in due course the exact sum required for appropriation.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintendent of Works, Buckingham Canal.
" Examiner of Public Works Accounts.
" Military Department.

Exd. S. T. Austin.

Spare Copies

GENERAL.
ACCOUNT.

Govt. of 1881 Madras

PUBLIC WORKS.

To

The SUPERINTENDENT of WORKS,
BUCKINGHAM CANAL.
&c., &c., &c.

Dated September, 1st.

Issued

Recd. Encl.

G.O., 1st September 1881, No. 2,157 W.

SEPTEMBER.
Nos. 1-2.

Weights for Testing Tonnage of boats on Buckingham Canal.—Sanctions with remark the manufacture of the required —.

C. No. 4118

3/2157 P. W. Secretariat.

Note by Budget Section.

Work

Iron weights for testing tonnage for boats.

Remarks and References.

Fund Provincial (Irrign & Navigation)
Service Head Tools & Plant
Departmental Head Stock Supplies
Amount of estimate … … … Rs 4,100
Expenditure in previous year … … "
Allotment in current year … … "
Balance required to complete … " 4100
Total Rs… 4100

Note of available funds.

No funds are available. The Provl Reserve has been exhausted

20/7/81

Budget Clerk.

C. No. 4118.
Letter No $\frac{36}{1205}$.
Dated the 16th July 1881.
from the Supdg Engr. 1st Circle

Note of Remarks.

The Estimate for Providing Iron Weights for Testing Tonnage of Boats on the Buckingham Canal - Amounts to Rs. 4,100.

The Estimate provides for 198 Weights of 56 lbs. Each & 25 Weights of Tons.

The Weights to be supplied by Messrs. Massey & Co. - (Napier Works Madras)

19th July 1881

No. 1150

Buckingham Canal Office
12th July 1881.
Demy 13 - do

From
The Offg Executive Engineer
Buckingham Canal

To
The Superintending Engineer
1st Circle

Sir,

In the "Testing Tonnage of boats", which is conducted daily at the Basin, so much inconvenience and risks is experienced from the want of proper "weights", that I am necessitated to submit the matter for your consideration and disposal, with a view to Sanction being obtained for a supply of proper weights without delay.—

2. The maximum Tonnage for which weights are wanted, is 30 Tons at the present time the weights in use, consist of sand bags, rough

blocks of granite, and 20 Iron weights giving about 1000 lbs. in all.–

I need hardly submit that there is much risk, delay and inconvenience, in the uses of such rude appliances for testing Tonnage.–

also that the arrangement is costly for bags have constantly to be renewed, sand also replenished, and there are also the charges for constant check of the sand bags, by weighing them,– add also cost for repairs of bags. These charges up to the present time, for materials and labor amount to Rs. 1648.–

These charges are constantly recurring and will continue so, as boats are constantly being brought to "Test"– new boats are replacing old ones, so that it is absolutely essential, to provide ourselves, with definite weights once and for all– to ensure against all risks, delays and inconveniences.

At the present time the use of rough blocks of stone, is ruinous to boats. They are not readily handled– and constantly chip off in use.–

The sand bag weights besides being a ruinous charge, are attended with risk, in the Test, for it is not possible to keep the weights from fluctuating, and if the boats are not quite water=tight, there is the risk of losing in the "Test", and though the weights of the sand bags are frequently checked by the Sub Division Officer, it is not practicable with so many hundreds of them, to ensure against risk:

3. In view to providing iron weights for the "Testing Tonnage", I applied to the Superintendent of Ry. Stores and workshops, on seeing "List of Surplus stores available for sale", issued by him, and in which I found 198 weights of 56 lbs. at Rs. 4-13-0 each. that Officer reduced the price to Rs 4 each, but that is a ruinous price for old iron, weights though they be. The 198 weights make up nearly 5 Tons, a small fraction of the 30 required. I also applied to the above Officer for the rate at which he could cast and supply ¼ Ton weights. The rate asked is Rs 140 per Ton.

Messrs Messey & Co, were also applied to, who gave a rate of Rs. 130 per Ton for ¼ Ton weights.

The reason for selecting ¼ Ton weights, is, that the work of Testing can be readily conducted: That there is a 2 Ton crane available at the Basin, for using such heavy weights: and that fractions of Tons are not admitted in Testing Tonnage, a fraction of a Ton, counting as one.

I have enquired in the local market for pigs of iron, such as are used in ballasting boats, but they are not procurable; nor is there any other description of iron, in block, procurable, which would serve for weights conveniently.

4. Under the circumstances represented, I have the honor to solicit sanction, 1st for obtaining the 198 - 56 lbs weights from the workshops, for present use, - The Superintendent of P.W. Stores being required to further reduce the rate which at 4 Rs per weight amounts to Rs 160 per Ton, an enormous rate for old iron, which it is, neither more nor less, - and 2ndly that authority be granted for having cast, the remaining 25 Tons of weights, where it can be done cheapest, as there is not

time to order the weights out from England or elsewhere.

Messrs Massey & Co / Napier works Madras / engage to deliver up to 30 Tons in 6 to 8 weeks.

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

Offg Executive Engineer
Buckingham Canal

Mct

P.S. An estimate amounting to Rs 4100 is enclosed for consideration. - The present balance under "Tools & Plant" of the current year's Budget grant is Rs 3500, which will be in demand for other purposes of the Division during the year. - a Special grant will need to be made, on account of the present estimate, "Iron weights for Testing Tonnage".

15th July 1881.

Offg Executive Engineer
Buckingham Canal

From The Offg Executive Engineer
Buckingham Ca

To The Superintending Engr
1st Circle

Dated 12th July 1881
Received

No 1150

Iron weights for Testin
Tonnage of boats.
Soliciting Sancti
for obtaining

Letter from the Officiating Executive Engineer Buckingham Canal to the Superintending Engineer 1st Circle dated 12th July 1881. No 1150.

No 36
1205

Submitted to the Chief Engineer Public Works Department.

The provision of proper weights appears to be very necessary and it is recommended that the Estimate of Rupees 4100 be sanctioned together with a grant of the amount under Tools and Plant.

16th July 1881

H A Sundergast
Lieutt Col: R.E.
Superintending Engineer
1st Circle

From, [illegible] No 4117

The Superintending Engineer
1st Circle

To,

The Chief Engineer
P. W. Department
Madras

Dated 16th July 1881

No $\frac{36}{1205}$.

Enclosures 2.

Estimate for Iron weights for Testing Tonnage of Boats on the Buckingham Canal for Rs 4100-0- Forwards the — and requests sanction of the —

21.7.81 R. 31.8.81

Office of the Superintendent of Works. Buckingham Canal

Abstract Estimate No 103 of 1881-82

Fund Provincial

Head of Service Irrigation & Navigation

Departmental Head Tools and Plant
New supplies

Name of Work. Iron weights for Testing Tonnage of boats.

Amount of Estimate Rs. 4,100

Quantity	Description of charges	Rate	Per	Amount	Total
198	Weights of 56 lbs each	4.00	Weight	792	✓
25	" of Tons	130.00	Ton	3,250	✓
	Conveying charges and Sundries	.	.	58	✓
	Total Estimate Rupees				4,100

Office of the Supt. of Works
Buckingham Canal
Chepauk 15th July 1881

Offg. Executive Engineer
Buckingham Canal

Lieut. Colonel. R.E.
Superintending Engineer, 1st Circle

Account Department.

CONTROLLER OF MILITARY [illegible]
AUG 81
MADRAS

11/215

ORDNANCE OFFICE:
Fort Saint George,
17 August 1881.

No. G/168

From

Major General R. CADELL, C. B.,
Inspector General of Ordnance.

To

The Secretary to Government,
Military Department.
~~Fort Saint George~~.
Ootacamund.

Sir,

I have the honor to acknowledge receipt of Fin ~~Order of~~ G.O. ~~Government~~ No 4047 dated 28th July 1881, and to state for the information of the Honorable the Governor in Council that there are not available from stock any iron weights as per margin*. Material for their manufacture, which is valued at Rupees 3,364-15-6, is however available, and the Superintendent Gun Carriage Factory estimates that the cost of labor would be about Rupees 300, making in all a total of Rupees 3,664-15-6 exclusive of centage. What that centage would amount to, the Examiner Ordnance Accounts states that he cannot at present ascertain as the accounts of the Gun Carriage Factory for the past year which furnishes the data for the calculation have not yet been closed.

*Weights of 56 lbs — No 198 —
" " 1 Ton — " — 25 —

2.. Practically should Government sanction the weights being made up in the Gun Carriage Factory, the greater part of the material would not be charged for by the Ordnance Department, — It would be merely written off the books, but the price of fuel (viz: about Rupees 610 out of the Rupees 3364-15-6), which would have to be replaced at once, will have to be made good by the Department requiring the weights.

3 The Superintendent Gun Carriage Factory reports that the

weights can be easily cast at the Factory under his charge.-

4. The Abstract Estimate is herewith returned as requested.-

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

R Cadell Major Genl: R.A,
Inspector General of Ordnance.-

B.

Forwarded
Herman Lt: Colonel
Offg. Contr. Mily: Accounts

Contr. Office
19 August 1881

Nº 4534 Transferred to the Public Works Dept and the previous papers returned

C. Ahaukes Colonel
Ag: Secy to Govt

23rd Aug 1881

Military {1881} Department.

No. 4817.

From

The Inspector General of Ordnance
Fort Saint George.

To ~~the~~ ~~C.M.A.~~ 13/19.8.

The Secretary to Government,
Military Department,
~~Fort Saint George~~.
Ootacamund.

DATED 17th } August 1881.
RECEIVED 22nd }

No. G/168

Afford information regarding the supply of certain weights required by the Superintendent of Works Buckingham Canal.

B/C.W.

12/2157

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following :—

From the Supdg Engr 1st Circle H.S. No 36/1205 d/16th July 1881.

The estimate amounting to Rs 4,100 for providing iron weights for testing tonnage of boats on the Buckingham Canal is sanctioned for execution when funds are available –

2. This sanction has been entered in the register of this office as Provl No (Irrign & navigation) W. of 1881-82, & classified as Tools & Plant New Supplies.

C.C.? 21.7.81

Ch 23/7/81

[illegible] Wright
[illegible] D. Wright
[illegible] –

To the S. of W. B. Canal
" Exr of P. W. A. with original estes

To

The Secretary to Govt.
Military Dept.

Please ascertain whether the Ordnance Dept. can help in this matter - and at what cost.

28/7

W.

Draft order superseded - vide new draft
[illegible]

131/2157

9

No. 2157 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 1st Sept. /81

Read the following :—

Letter from the Superintending Engineer, 1st Circle	H. E. No $\frac{36}{1205}$ dt 16th July 1881.
Endorsement of the Military Department on letter from the Inspector General of Ordnance Fort St George, No G/168 dated 17 August 1881	H. E. No 4534 dt 23rd August 1881

Sanction is accorded to the manufacture of the required weights.

2. It will be observed from the letter from the Inspector General of Ordnance that the Gun Carriage Factory are in a position to undertake the work. The Executive Engineer Buckingham Canal Division will accordingly place himself in communication

R.S.

with the Superintendent of the Factory reporting in due Course the exact sum required for appropriation.

24/8/81

E.H.
25.8.81

~~The Hon the Governor~~

~~[illegible]~~

~~In the [illegible]~~
~~the department~~
~~amount of the [illegible]~~
~~not [illegible]~~
~~[illegible]~~
~~4/7~~

Note. registered when
the Supdt applies for
the amt regd. — [illegible]

Superintendent of Works.
Buckingham Canal
Examiner P.W. Accounts &
Military Department.

To the Secty to Govt. Mily Dept. for counter initials if approved.

O.L. 29/7 - Cir 25/8 Re 29/8

15
2157

4118
4817

Govt. of 1881 Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd. Encl.

G. O. 1st Septr 1881, No. 2157W

Nos. 1 to 2

ights for testing Tonnage
boats on the Buckingham
anal — Sanctions with
marks the manufacture
the required —

Entd in Receipt Regr