

(1) Number of pages 28
(2) Date of repair 25.8.81
(3) Initials of the Referencer lens

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No.	3656 W	Press.
B.P. No.		Mis.
Dated	16.9.1878	~~197~~

Not to be folded or roughly handled

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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

16th September 1878, No. 3,656 W.

General.
Account.

Read the following papers:—

No. 187. Endorsement of the District Engineer, Presidency, dated 4th September 1878, No. 3,308.

From F. N. THOROWGOOD, Esq., Superintendent of the Madras Harbour Works, to the General Superintendent of Public Works Stores, dated Madras, 30th August 1878, No. 15 S.

I HAVE the honor to acknowledge the receipt of copy of a letter from you to the District Engineer, No. 673, of the 27th instant. This letter calls for some remarks from me.

2. I shall, if referred to on the subject, still object to the concrete skip wagon wheels and the stone-crusher jaws being cast in Madras. The chilled castings which I have tried, and for which I had special chill-plates made, are nothing like so good as the English castings, and I may remark that Marsden, the manufacturer of the stone-crushing machines, has the greatest difficulty in getting castings even in England sufficiently hard for the jaws of his machines.

3. With regard to making the "Goliath" crane here, I can hardly think that you have sufficiently considered what a great number of patterns and forgings are required, and that Messrs. Stothert and Pitt, of Bath (who make the manufacture of such machines their speciality) have every pattern for cylinders, toothed-wheels, chain barrels, hydraulic cylinders, pumps, &c., ready on the spot, together with all the necessary drawings for the engine, boiler, travelling gear, truss-rods, &c., whereas at the Public Works Shops there is not one single pattern for any one of the numerous castings required in the engine and other gear of the crane. Stothert and Pitt could turn out the machine complete in two months, and I need hardly say that no other manufactory could do the work in that time.

4. With regard to turpentine and hide, I think they can be procured cheaper from England than in Madras, but specially in the matter of hides I have so repeatedly applied to the Public Works Stores for English hides without obtaining them that I am forced to send home for some.

5. A copy of this letter is sent to the District Engineer for his information.

No. 261 M.

To the District Engineer, Presidency, for information.

SUBMITTED to the Chief Engineer, Public Works Department, for orders with reference to District Engineer's No. 3,208, dated 28th August 1878.

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

No. 187-A. Endorsement of the District Engineer, Presidency, dated 28th August 1878, No. 3,208.

From G. H. FAULKNER, Esq., Executive Engineer in charge of Presidency Public Works Stores, to the District Engineer, Presidency, dated Madras, 27th August 1878, No. 673.

I HAVE the honor to forward the accompanying copy of indent received from the Superintendent, Madras Harbour Works, for stores required from England for the Harbour Works, and to request that the sanction of Government may be obtained for submitting it in proper form, *if approved for submission*, to the Home Government. None of the articles included in the indent are in stock in the Public Works Stores, and the Superintendent objects to taking the cast iron wheels from the foundry, as he says that he has tried so many and found them inferior to those made in England.

2. This is probably because the wheels were not cast in chill moulds. I am prepared to undertake this, and I believe our wheels will be equal to any from England. Same remark also applies to chilled jaws for stone-crusher. Nor do I see any reason why the Goliath or steam travelling crane should not be made here. We have the engine, iron, and all materials in the stores and maistries and men capable of doing the work. Turpentine and hide are procurable in the market.

SUBMITTED to the Chief Engineer, Public Works Department, for orders.

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

No. 188. ORDER THEREON, 16th September 1878, No. 3,656 W

THE General Superintendent, Public Works Stores, is authorised to prepare an indent on the Home Government in proper form for the machinery and castings required by the Superintendent of the Harbour Works. The other articles should, if procurable, be obtained from the local market, unless they can be got out cheaper from England, taking into account freight, rate of exchange, &c.

2. The District Engineer, Presidency, should have obtained the views of the Superintendent of the Harbour Works as to the castings and machinery proposed to be made up at the shops before laying the matter before Government.

(True Extract.)

(Signed) E. A. FOORD, Colonel, R.E.,
Secretary to Govt., P.W.D.

(True Copy.)

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

To the District Engineer, Presidency.
Superintendent, Madras Harbour Works.

Encl. T. D. Ryan.
Spare Copies



Govt. of (1878) Madras.

PUBLIC WORKS.

THE DISTRICT ENGINEER,
PRESIDENCY.

Dated September 15th.

Issued

Recd.

Encl.

G. O., 15th September 1878, No. 5,000 W.

SEPTEMBER.

No. 137-188.

Machinery and Castings for the Madras Harbour Works.—The General Superintendent ordered to prepare an indent on the Home Government for the —, and the District Engineer, Presidency, informed he should have consulted with the Superintendent, Madras Harbour Works, before laying the matter before Government.

From

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS.

To

The General Superintendent
Public Works Stores
Madras

MADRAS, 30 August 1878.

Sir,

I have the honor to acknowledge the receipt of copy of a letter from you to the District Engineer No 673 of the 27 instant. This letter calls for some remarks from me.

2. I shall if referred to on the subject still object to the concrete ship wagon wheels and the stone crusher jaws being cast in Madras. The chilled castings which I have tried and for which I had special chill plates made are nothing like so good as the English castings, and I may remark that Marsden the manufacturer of the stone crushing machines has the greatest difficulty in ^{getting} castings even

in England sufficiently hard for the jaws of his machines.

3. With regard to making the "Goliath" crane here I can hardly think that you have sufficiently considered what a great number of patterns and forgings are required and that Messrs. Stothert and Pitt of Bath (who make the manufacture of such machines their speciality) have every pattern for cylinders, toothed wheels, chain barrels, hydraulic cylinders, pumps &c. &c. ready on the spot, together with all the necessary drawings for the engine, boiler, travelling gear, truss rods &c., whereas at the Public Works Shops there is not one single pattern for any one of the numerous castings required in the engine and other gear of the crane. Stothert and Pitt could turn out the machine complete in two months, and I need hardly say that no other manufactory could do the work in that time.

4. With regard to turpentine and hides I think ^{that} they can be procured cheaper from England than in Madras, but specially in the matter of hides I have repeatedly applied to the Public Works stores for English hides without obtaining them that I am forced to send home for some.

5. A copy of this letter is sent to the District Engineer for his information.

I have seen &c.
(Signed) F. H. Thoroughgood
Superintendent.
M. H. Works.

A true copy
F. H. Thoroughgood.
Superintendent.
M. H. Works.

No 264 M

To

The District Engineer
Presidency
for information.

225

From

The Supd.

Quebec Work

No 3308

Submitted to the Chief Engineer, D. W. for orders with reference to Subst. Engineer's No. 3208 dtd. 28th August 1878.

Dated 30th Sept
C. W. 2 Sept 1878

[Signature]
Subst. Engineer
Recd

4th Sept. 1878

Encl.
17/2

Against which
forwarded copy of letter
referred to the
O. W. Thomas & Co.
to Cash in 1878

to 18568-17-4-78

1878

No 98
General.

From,

The District Engineer,
Presidency

No. 3308.

Dated 4th Sept: 1878
Recd 5:3

Madras Harbour.

Submits for orders
of letter from the Sup^t to the
Genl Sup^t Mr. Mackenzie
the subject of new wheels
& stone crushers for
cast in Madras.

To Com^d 5.9.78
Cir 11-9-78. Dtd 17-9-78

Presidency Public Works Workshops,
Madras, 27th August 1878.

No. 673

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS WORKSHOPS,

To

THE District Engineer,
Presidency,
Fort St George.

P.S.

22 AUG 78

SIR,

I have the honor to forward the accompanying Copy
of Indent received from the Superintendent, Madras Harbour
Works for stone required from England for the Harbour Works
and to request that the sanction of Government may be
obtained for submitting it in proper form if approved,
for submission to the Home Government. None of the articles
included in the Indent are in stock in the P.W. Stores,
and the Superintendent objects to taking the cast iron
which from the Foundry, as he says that he has tried
or many, and found them inferior to those made in England.
This is probably because the wheels were not cast in
Chilled moulds. I am prepared to undertake the cost I
believe on wheels will be equal to any from England.
I am remark also as to Chilled Iron for stone crusher
for the I see any reason why the Cyclopaedia or Stone tra-
velling Crane should not be made here. We have the
Engine, iron and all materials in the Store and Machine Shop
capable of doing the work. The pattern, etc. are procurable in
the market.

Have the honor to be
Sir
Yours faithfully
G. Paulson
By Engraver
In ch. of Engr. Mr. Stone

No. 673.

From
The General Superintendent,
Public Works Workshops,
Madras,

To
The District Engineer
Pondicherry

Dated 27th August 1878.
Despatched

ENCLOSURES.

Subject

Copy of Indent received from
the Supt. Madras Harbour Works
for stores required from Engineer's
Workshops and requesting
the sanction of Govt. may be obtained
for submitting it in proper form

No 3208.

Submitted

to the Chief Engineer
17th Sept 1878 for Order

Encls 1 Indent

W. H. Thompson
District Engineer
Pondicherry
28th Aug 78

Recd 29.8.78
Oct 17.9.78
Oct 9.9.78
Oct 11.9.78

PUBLIC WORKS DEPARTMENT.

3632
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Endorsement of the District Engineer
Precedency No 3308 of 4th Sept 1878.

Recd
H. H. H.

FOR ORDERS.

I had opened the
indent of 4th Sept
disting. for 2nd Indent with reference
to the Indent enclosed.
Deposited - The D. E. (C. No 9643)
documented there - as
referred to by the
Supt. Madras Harbour Works

Circulated for

Encl. Col. R. C.

Sing. to Govt. P. W. D.

In the case of Mr. Thompson's
indent, I am at disposal
to accept the supply from 11th Sept 1878.
our shops of casting & machine
to form & for such materials
with a view to the strain
on them & for the purpose of the indent
for the 12.9.78.
R. H.

FOR ORDERS.

which prices being
not amount all
charges & rate of
exchange are
advised —

as upon the third
of the month may
it will be possible by
the least amount
of fuel & oil. It is
suggested to put
under charges of
the mixture on the
Pampanal.

157
/M

Cir 11.9.78
5.9.78

PUBLIC WORKS DEPARTMENT.

Enclosure of the District Engineer,
Presidency, No 3208 dated 28th August 1878,
on letter from the General Superintendent,
P.H. Dookhoo, Madras, No 673, dated 27th August 1878.

FOR ORDERS.

The Chief Engineer
considers that Mr
Faulkner's offer to make
the Solih, Stone
Crusher jaws, and
chilled cast iron wheels,
should be accepted, &
that effort ^{should} be made
to get the turpentine,
hemp, and other such

articles in the market,
and the short-link chain
be erected & provided
can supply satisfactory Railway Companies if they
cannot be supplied from the P.H.
Stores.

29/8 2nd Sept 78 Chief Engineer & Secy. to Govt. P.H.D.

No 36564

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 16 Sept 78.

Read the following:—

Endorsement of the Dict: }
Majr. Presidency } H.B. No: 3308 d/28 Aug 78.
do do do } H.B. No: 3308 d/4 Sept 1878.

The General Superintendent P. W. Stores is authorized to prepare an indent on the Home Government in proper form for the Machinery and Castings required by the Superintendent of the Harbour Works. The other articles should, if procurable, be obtained from the local market unless they can be got out cheaper from England.

R.

3571
10
Taking into account
freight, rate of exchange.

The District Engineer
Presidency should have
obtained the views of the
Superintendent of the Har-
bour Works as to the
bactings and machinery
proposed to be made
up at the shops before
laying the matter before
Government.

W.H.
509.70

The D. E. Presidency
The Supt. M. H. Works

Dec. 25-9-18

7899
9643



Govt. of (1878) Madras.

PUBLIC WORKS.

To

Dated

Issued

Recd.

Encl.

G. O., 16th Sep 1878, No. 3656N

Nov/87 CW/88

Machinery and Castings for the
Madras Harbour works

The General Superintendent
ordered to prepare an indent
on the Home Government for
the — and the D. S. General
Presidency informed he should
have consulted with the Super-
intendent of Harbour who is
laying the matter before the
Government.

W. D. [Signature]