(1) பக்கங்களின் எண்ணிக்கை 26

(2) புதுக்கித் திருப்பிய நாள் 10-3-1991

(3) ஆதாரங்குறிப்பவர் சருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2822, 23 (4) அச்சகம் பலவகை

நாள் : 3-11-1893 198 .

13
மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண, கா-1—18,000—15-6-87.

2822,23

1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From S. D. PEARS, Esq., Superintendent of Works, No. I Periyár Division, to the Chief Engineer, Public Works Department (through the General Superintendent, Public Works Stores, and the Examiner, Public Works Accounts); dated Periyár, 2nd August 1893, No. 105 C.E.

I have the honour to submit an indent for a steam tug required for this division.

2. Provision for this tug was made in this office estimate No. 218 M. of 15th July 1892, but I am informed by the General Superintendent, Public Works Stores, that, in G.O. No. 1274 W. of 10th May 1893, this item among others was struck out from the annual home indent for 1893–94 and that explanation for its necessity was required.

3. There are now two tugs in operation in this division.

4. One is at work on the Mulyapanjan canal, 3rd reach, where it is fully occupied in towing limestone barges. The water level in this reach is + 101·50, and the reach is terminated at each end by a dam (without lock). The use of this tug is therefore confined to the above purpose. No other means of hauling or propelling the barges are possible at a reasonable cost.

5. The second tug is employed on the Periyár river in towing rubble, timber and sand barges and is thus occupied for 9 hours a day. The distances to be towed will increase as the nearer sholas and sand beds are exhausted. Three-fourths of the sand supply are at present dredged by hand and brought down by rowing boats. This will cease on the erection of the steam dredger recently received from England, and the whole sand supply will then devolve on the barges to be towed. This tug will then have more than enough to do.

6. The toe level of the last of the dams on the Mulyapanjan canal is about + 60. When the Periyár lake level rises to about + 64, barges will be able to navigate the lake up to this dam and there will be through water communication for limestone barges from the head of the canal at Thekady to the main dam at Periyár. The tug now indented for is required for towing the barges across the lake between the last dam above mentioned and the main dam. The distance to be towed is about 2½ miles; the number of barges each way will be 7 per day, which will, as a rule, have to be towed one at a time, as the barge-loads arrive down the canal from Thekady. No other means of locomotion are practicable. First towing, because the contour of the lake is excessively circuitous and the water level will vary enormously. Second sailing, because the barges are unsuited for it and will only sail with a dead fair wind. Third poling, because the water will be 60 feet deep in places. Fourth sweeps, because they are impracticable against a wind.

7. The lake water level will reach + 64 next season, probably about September (1894). The launch should therefore be delivered at Periyár not later than the 1st June, and as the road from Ammayanáyakanúr is often breached by May floods in the hill streams, it should, if possible, be delivered at Tuticorin not later than the 15th March.

8. The specification accompanying sufficiently describes the type of vessel required. I beg that special attention may be drawn to the necessity for a large fire-box for wood fuel.

Enclosure.

Specification for a steam launch.

To be capable of towing two barges of 20 tons each at 6 miles per hour.
To be fitted complete with awning and stanchions for same.
Draught not to exceed 3 feet when boiler and engines are in and bunkers full.
Hull to be of either steel or iron and to be in three sections weighing not more than 1½ tons each for facility of transport. These sections to be capable of being *bolted* up (*not riveted*). Bolts, &c., to be supplied.
To be fitted with front steering gear. Rudder when hard down to be capable of working tug round in a little over her own length.
Two spare propellers to be sent out.
The deck to be capable of being planked.
To be fitted with towing posts and all necessary articles for same.
To be fitted with water-tight compartments, fore and aft.
Bunkers to be of large size and easy of access for *firewood only*.
To be fitted with side lights, engine lamps, &c., tools, oil feeders, cork fenders (four) and all necessary appliances. Material for making joints, &c., to be supplied.

Boiler and Engines.

To be of the latest type.
The boiler must be one of the rapid steaming class and well able to keep steam when towing barges at 8 miles per hour when both feeds are on.
The fire-box to be of a large size *for wood-burning only* and to be fitted with fire brick arch and baffle plate. Fire bricks to be supplied.
To be fitted with donkey and an injector of the latest and simplest type.
The workmanship throughout to be of the highest class.

From L. L. WICKHAM, Esq., General Superintendent, Public Works Stores, to the Chief Engineer, Public Works Department, dated Madras, 21st October 1893, No. 206 S.

With reference to your memo. No. 933 D. of 27th September 1893, I have the honour to submit an indent in triplicate, with specification in original, for one steam launch required from England for the use of No. I Periyár division.

2. In the surplus list of tools and plant and stores available for transfer on 31st March 1893 from Bengal-Nagpur Railway received with your memo. No. 2857 C., dated 11th August 1893, A. steam launch is available for which offers were invited by that department, but the Superintendent of Works, No. I-Periyár Division, reports in his telegram, dated 12th instant (copy enclosed), that the steam launch in the surplus list will not suit.

3. I have therefore signed the certificate on the indent herewith submitted.

From the Examiner, Public Works Accounts, dated 21st October 1893, No. 1590 D.

2822/23
2

Order—dated 3rd November 1893, No. 2822 W., Public Works.

The indent will be forwarded to the Home Government for compliance.

[Here enter No. 2823 W., dated 3rd November 1893.]

(True Extract.)

(Signed) J. PENNYQUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent of Works, Periyár Project.
„ Superintending Engineer, V Circle.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

Extd. C. A. Munisawmy.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November 3rd.

Recd. *Encl.*

G.O., 3rd Nov. 1893, No. 2822 W.

NOVEMBER.

Indent

The — for a steam tug required for the Periyár Project Works, ordered to be forwarded to the Home Government for compliance.

2822/23
3

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

COLONEL J. PENNYCUICK, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE DIRECTOR-GENERAL OF STORES,
INDIA OFFICE, LONDON.

SIR,

I am directed to forward, for favour of compliance, an indent in duplicate for a steam tug required for the Periyár Project Works.

2. The specification mentioned in the indent is embodied in the Proceedings * of Government herewith forwarded, and I am to invite your special attention to the necessity of providing the tug with a large fire-box for wood fuel.

* No. 2822 W., dated 3rd Nov. 1893.

3. A certificate by the Examiner, Public Works Accounts, to the effect that the necessary funds will be provided in 1894–95 is endorsed on the indent.

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

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
3rd November 1893.

Erd. C. A. Munisawmy.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated November, 3rd.

Recd. *Encl.*

3rd November 1893, No. 2823 W.

NOVEMBER.

Indent

Forwarding for compliance an — in duplicate for a steam tug required for the Periyár Project Works.

2822, 23
4

Accompaniment to Public Works Department Circular No. XV of 1882

No._____

INDENT FOR STORES required for the Public Works Department in the ~~Province of~~ Madras Presidency for the service of the Indian Government.

I HEREBY certify that the Stores enumerated in this Indent are absolutely required for the service of the Public Works Department ~~for a period of _____ months~~, and I further certify that I have, by a ~~personal inspection of Books and Stores, satisfied myself~~ that they comprise that least possible quantity ~~necessary for the above period~~.

Dated this _____ day of _____ 189____

at _____.

Signature [signature]

Rank Secretary to Government P. W.

NOTE.—1. In cases in which a personal inspection of Books and Stores cannot be made, the portion of the Certificate relating thereto should be scored through.

2. The Indent should be paged, and the signature attached to the last line of the Indent.

Annual Indent on England for Stores required in the Dy. I. Surgeon Division.

Names of Articles.	Revenues * to which cost is chargeable.	Imperial head of account or grant to which cost is chargeable. *	Established proportion.	How established proportion is calculated.	Number or quantity in store on ———	Number or quantity due on previous indents.	Number or quantity now indented for.	£
Steam Sug as per Specification attached	Provincial	—	—	—	—	—	Duo	£ 1000
							Add 10 per % for freight	— 100
							Total £	1100.

Dery ar 2nd August 1890.

[Signed] L. H. Sears.
Supt of Works N. Circ
Dery ar Division.

Number or quantity due on previous indents.	Of number or quantity now indented for.	Remarks.	Number or quantity proposed to be provided.	Proposed to be provided.	Remarks by the Director-General.
	£ 1000	Intercolonial.			
—	100				
Total £	1100.				

N.B.—The red ink columns to be left blank for filling up in England.

* Imperial, Provincial, Local, Mysore, or Berar.

† This column should be left blank if the charge is not debitable to the Imperial Revenues.

Note

Indenting Officer's

Certified that the Cost
to meet from (here enter Ins.
1894-95

Certificate by Superintendent

"Certified that the Stores on
the Indent are absolutely req
they cannot be procured at less
or from surplus stores of other
Railways, and Administrations."

[signature]
General Supt. P.

21st October 1893.

Examiner's Certificate

"I certify that funds to mee
which, it is estimated, will be re
England in connection with the
during is have been (will be) p
in the estimates of the P. W. D. f
of ".

Instructions

This Indent is to be fille
as practicable by the Indenting
the first instance. He will submit
Government through the Superinte
Stores, and to the Examiner, who w
the requisite further action.

[signature]

S.32 Irpt
8937/93

Office of the Superintendent of Wor
No. 105 C.S. No. I Perayar Division
V8 22/23 Perayar 2nd August 1893.

From

S. D. Pears Esqre I.C.S.
Superintendent of Works
No. I Perayar Division
Periyar

To

The Chief Engineer
Public Works Department
Madras

Through The General Superintendent
Public Works Stores
and The Examiner
Public Works Accounts
Madras

Enclosures 2.
1. Indent.
1. Specification

Sir,

I have the honor to submit
an indent for a Steam-tug required
for this Division.

2. Provision for this tug was made in
this Office Estimate No 218 Mis of 15-7-92,
but

but I am informed by the General Superintendent Public Works Stores that, in G.O. No 1274-W. of 10-5-93, this item among others was struck out from the annual home indent for 1893-94, and that explanation for its necessity was required.

3. There are now two tugs in operation in this Division.

4. One is at work on the Mulyapanjan canal 3rd reach, where it is fully occupied in towing limestone barges. The water-level in this reach is +101·50, and the reach is terminated at each end by a dam (without locks). The use of this tug is therefore confined to the above purpose. No other means of hauling or propelling the barges are possible at a reasonable cost.

5. The second tug is employed on the

the Periyar river 2nd 6 towing rubble, timber and sand barges and is thus occupied for 9 hours a day. The distance to be towed will increase as the nearer ballasts and sand beds are exhausted. 3/4 of the sand supply is at present dredged by hand and brought down by rowing-boats. This will cease on the erection of the steam dredger recently received from England, and the whole sand supply will then devolve on the barges to be towed. This tug will then have more than enough to do.

6. The toe-level of the last of the dams on the Mulyapanjan canal is about +60. When the Periyar lake level rises to about +64, barges will be able to navigate the lake up to this dam and there will be through water-communication for

limestone barges

limestone-barges from the head of the Canal at Thekady, to the main Dam at Periyar. The tug now indented for is required for towing the barges across the lake between the last dam above-mentioned and the main Dam. The distance to be towed is about 2½ miles the number of barges each way will be 7 per day, which will as a rule have to be towed one at a time, as the barges Thekady. no other means of locomotion is practicable. 1st towing, because the contours of the lake is excessively circuitous and the water-level will vary enormously. 2nd Sailing, because the barges are unsuited for it and will only sail with a dead fair wind. 3rd poling, because the water will be 60 feet deep in places. 4th Sweeps, because they

they are impracticable against a wind.

7. The lake water-level will reach +64 next season - probably about September (1894) - The launch should therefore be delivered at Periyar not later than the 1st June, and as the road from Ammayanayakanur is often breached by May floods in the hill streams it should if possible be delivered at Tuticorin not later than the 15th March.

8. The specification accompanying sufficiently describes the type of vessel required. I beg that Special

attention

No. 33
5-8-93

From

The Supt. of Works
No. 1 Perim Dk

To The Chief Engineer
P.W.D

Thro: the General Supt.
P.W. Stores Examiner.
P.W. accounts.

No. 1056

Dated 2nd August 1893.

Enclo: 2.

PW 27/8993/93
9 Dec 93

Steam Tug.

Submits an Indent
for —

Enclosure in letter No. 1056.
2-8-93 4 pp 4

Specification for a Steam launch

2892/9 Ldo

EXAMINED
21 OCT 1893
P.W. STORES

Print

To be capable of towing two Barges of 20 tons each at 6 miles per hour.

To be fitted complete with awning and stanchions for same.

Draught not to exceed 3 feet when boilers and Engines are in, and bunkers full.

Hull to be of either steel or iron and to be in three sections weighing not more than 1½ tons each, for facility of transport. These sections to be capable of being bolted up (not riveted). Bolts &c to be supplied.

To be fitted with front steering gear. Rudder when hard down to be capable of working Tug round in a little over her

her own length.

Two spare propellers to be sent out.

The deck to be capable of being planked.

To be fitted with towing posts and all necessary articles for same.

To be fitted with watertight — Compartments fore and aft.

Bunkers to be of large size and easy of access for firewood only.

To be fitted with side lights, — Engine lamps ~~ten~~ tools, oil feeders, Corks Tenders (four) and all necessary appliances. Materials for making joints &c to be ~~not~~ Supplied.

Boiler and Engines

To be of the latest type.

The Boiler must be one of the rapid Steaming class and well able to keep Steam when towing barges at 8 miles per hour when both feeds are on.

The fire-box to be of a large size for wood-burning only and to be fitted with fire brick arch and baffle plate. Fire bricks to be supplied.

To be fitted with Donkey and an injector of the latest and simplest type.

The workmanship throughout to be of the highest class.

S. D. Vean

Superintendent of Works
No I Periyar Division

Periyar
2nd August 93

No. 206, S. PRESIDENCY P. W. STORES,

Madras, 21st October 1893.

From

L. L. Nickham Esqre
GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES,

EXAMINER 27 OCT 1893 ACCOUNTS

To

THE Chief Engineer
S. W. Department.

Sir,

With reference to your Memo: No 938 D. of 27th September 1893. I have the honor to submit an Indent in triplicate with Specification in Original for One Steam Launch required from England for the use of No 1 Ferry Division.

Enclosures 3.
One Indent.
One Letter
One Specification.

2. In the Surplus list of Tools and Plant and Stores available for transfer on 31st March 1893, from Bengal Nagpore Railway, received with your Memo: No 2887 D. dated 11th August 1893, A Steam Launch is available for which offers were invited by that Department but the Superintendent of Works No 1 Ferry Division reports in his telegram dated 12th Instant (Copy enclosed) that the Steam Launch in the Surplus list will not suit.

3. I have therefore signed the Certificate on the Indent herewith submitted.

I have the honor to be Sir
Your most obedient Servant
L. L. Nickham
General Supt P. W. Stores.

P. W. CURRENT No. 8997

Presidency P. W. Stores.

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES,
Madras,

To

The Chief Engineer
P. W. Department
Chepauk.

No. 206 S.

Dated 21st
Despatched 21st October 1893.
Received 23rd

No. of Enclosures Nil
(In Triplicate)

Subject.

Submits an Indent in triplicate with Specification in Original for One Steam Launch required from England for the use of the One Periyar Division.

No. 3464 C dy 28.10.93.
" 933.D.dy 27.9.93.
" 2957 Cdy 11.8.93.
" 1274.76.87 10.5.93.

No. 3464 C d/ 26 October 1893

To C

Please grant the necessary certificate to the effect that funds will be provided in the budget estimate for 1894-95.

No 2822 W dy 3 Nov 1893

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2822-23 JR

READ the following

From the Supdt of Works Periyar Project (A.E. no: 105.C & dated 2nd August 93)
" General Supdt P.W. Stores (A.E. no: 2065 dated 21st October 1893)
" Examiner P.W. accounts (A.E. no: 1890.D dated 21st October 1893)

The indent will be forwarded to the Home Govt for Compliance.

To
The Supdt of Works Periyar Project
" Supdy Engineer Circle
" Chief Engineer for Irrign
" Examiner, P.W. accounts.

A.E. no: 2823 W dated 3 Nov 1893

To
The Director General of Stores
India office
London.

Sir,

I am directed to forward for favour of compliance an indent in duplicate for a Steam tug required for the Periyar Project Work.

2. The specification mentioned in the indent is embodied in the Proceedings of Government herewith forwarded, and I am to invite

No: 2822 W dy 3 Nov 1893.

(10—3,000—18-6-93.)

2822,23

13

invite your special attention to the necessity of providing the tug with a large fireboat for wood fuel.

3. A Certificate by the Examiner F.W. accounts to the effect that the necessary funds will be provided in 1894-95 is endorsed on the indent.

I have &c.

F W.

APPROVED

7

Hon 8/11.
R 3/11.

C.No. 9253

Govt. of 1893 Madras.

PUBLIC WORKS.

Dated 4/11/93

Read Date

Rec'd 3rd Nov 1893 No. 2822

23 W

D.C. with Sd 4/11

Indent

=

The — for a steam launch required for the Periyar Project Works ordered to be forwarded to the Home Department for compliance.

— Sd —

Forwarding, with ~~the~~ ~~launch~~ for compliance an — in duplicate for a steam launch required for the Periyar Project Works

10/x

100/6

12/2