

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No.	997	Press
155-156		Mis.
Dated	9-4	18 40.

Not to be folded or roughly handled

No 155. Read the following letter from the Superintending Engineer, 5th Division, to the Chief Engineer for Irrigation, dated Cuddalore, 17th March 1870, No. 214 —

I HAVE the honour to forward, for the sanction of Government from the Reserve of 1870-71 under "Agricultural," the under-mentioned estimates

One plan and three estimates

for irrigation works in the Trikalore Talook of South Arcot, viz. —

- | | |
|--|-----|
| (1.) Constructing a syphon sluice of 30 yards body and three of 12 yards body, each across the Poothoopahem and Amoor channels, to carry the Sithilingamadam tank water to the fields on the other side of the channel ... | 710 |
| (2.) Cutting a branch channel from Amoor branch channel to irrigate Pennavalam fields, and constructing head sluices to same as well as to the branch channel supplying Pennavalam tank ... | 550 |
| (3.) Constructing head sluices to the branch channels leading from the Amoor main channel for the supply of Kola-thur large and small tanks, Ottanandel tank, and Amoor Thangal ... | 620 |

Total .. 1,880

2. These estimates have been approved of by the Collector of South Arcot.
3. The Amoor channel is a branch of the Ragavien which is supplied from the Poonier Anicut. Considerable improvements have been lately made to it and a number of branches cut to tanks hitherto dependent on local rains. All the tanks received a good supply from the river last year.

No. 156. ORDER THEREON, 9th April 1870, No. 997.

IRRIGATION, No. 16.

THE Government sanction, for execution from the Reserve under "Agricultural" for the year 1870-71,

the following estimates, which were received with the letter from the Superintending Engineer, 5th Division, recorded in these Proceedings —

- | | |
|---|-----|
| Constructing four syphon sluices under the Poothoopahem and Amoor channels ... | 710 |
| Cutting a channel from the Amoor branch channel and constructing two head sluices ... | 550 |
| Constructing four head sluices on branch channels from the Amoor main channel ... | 620 |

(True Extract.)

Major, R. E.,

Acting Joint-Secretary to Government.

To the Superintending Engineer, 5th Division.

.. Chief Engineer for Irrigation

.. Controller of Public Works Accounts.

Exd. E. C. Shunker.

N^o 214

Supg. Engrs. Office, 5th Division,
Cuddalore, 17th March 1870

From

The Superintending Engineer,
5th Division.

To

The Chief Engineer for
Irrigation,
Madras.

Sir,

Enclosures 4
1 Plan
3 Estimates.

I have the honor to forward, for
the sanction of Government from the
Reserve of 1870-71, under "Agricultural",
the undermentioned Estimates for
Irrigation works in the Cuddalore
Taluk of the District viz: -
1 Constructing a siphon sluice
of 30 yards body and three of 12
yards body each across the Potho-
palem and Amoor channel
to carry the Sethulingamadam
tank water to the fields on the
other side of the channel B— 710
2 Cutting a branch channel from
Amoor branch channel to irri-
gate Pennavalam fields and
Constructing Head sluices to same

as well as to the branch channel
supplying Pennamalam tank 550

3 Constructing Head sluices
to the branch channels leading
from the Anur channel
for the supply of Kolathir large
and small tanks, Ottanandal
tank and Anur thangals - 620
Rupees 1880.

2. These estimates have been
approved of by the Collector of South
Arcot.

3. The Anur channel is a branch
of the Ragavari which is supplied
from the Poniam Pannicut. Consi-
derable improvements have been
lately made to it and a number
of branches cut to tanks hitherto
dependent on local rains. All the
tanks received a good supply from the
river last year.

I have the honor to be
Your most obed^t serv^t

Edw. M. B. B. B.
Superintg Engineer

1/2
or
2/1000

C. P. M. 11/10 D. P. M.
 From the Chief Engineer,
 (1) 5th Division
 To the Chief Engineer
 for Irrigation

Dated 17th March 1870
 Despd. 8th
 Recd. - 27th " "
 No 214
 Enclosures 4
 33:57 1/4

Forwards for the sanc-
 tion of Government
 three estimates for
 certain Irrigation
 works in the Trikalor
 taluq of South Arcot

N: 155

N: 997 - C: 4/2/70

C. 28 March 1870 D. 2nd/4

5th Division D. P. M.
 Agricultural,
 South Arcot District
 N: 3 Range.
 New work.
 Trikalor Taluq

Abstract Estimate of 1869-70.

Work. Constructing Head sluices to the branch channels leading from the
 Amoor main channel for the supply of Kolathoor large and small Tanks,
 Ottanandub Tank and Amoor Thangals.

Ayacut lawmies ————— 434 — 1 ————— Rupees. 2817-6-10
 5 years average ————— 442-5-1 ————— Do. — 2916-9-7
 Highest of 5 years ————— 461-10-3 ————— Do. — 3080-1-2

Remarks. These Head sluices are urgently required to facilitate the proper
 distribution of water.

Quantities	Description of work	Rate	Per	Amount	Total
22 1/2	Cubic yards of Rough stone in chunam	2	"	by 4	44 15 4
20 1/9	Do. of Brick in	3	"	Do	60 5 4
3 1/4	Squares of Plastering	2	8	Sqrs	8 2 "
8	Shutter stones	2	"	Each	16 "
1	Sill — Do.	2	"	Do	2 "
1	Teakwood shutter	10	"	Do	10 "
	Excavating foundation and sundries				13 9 4
Total Amount of Estimate for one Head sluice Rupees - 155 . . .					
Do. Do. for four — Do. — Do. — 620 . . .					
Rupees six hundred and twenty only.					

N: 3 Range Office South Arcot. 73
 Poona. Annicut, 16th November 1869

Signed George C. F. Barnard B. A.,
 Assistant Engineer

Cheulabude
 Collector of South Arcot

Mr. Mrd. Colonel R. C.
 Superintg. Engineer 5th Div.

Abstract Estimate for 1869-70.

Cutting a branch channel from Amoor Main Channel to irrigate
avalam fields, and constructing a Head Sluice to same as well as one to the
channel supplying to the Tennavalam Tank.

4 years average — 85-10-1 — Rupees 781-12-—

5 years average — 88-10-— — 814-1-—

Highest of 5 years — 92-8-— — 862-11-8

marks. When this branch channel is cut, some 25 cawnies of dry land will be brought
in wet cultivation. The Head Sluices are urgently required to facilitate the
distribution of water.

Description of work

Rate Per Amount Total

Channel

Cubic yards of Earthwork — 1 — by 131 4 —

Sundries — — — 12 — 132 —

2. Head Sluices.

Cubic yards of Rough stone masonry — 2 — — 102 —

— of Brickwork — 3 — — 201 —

Squares of Plastering — 2 8 — Sq^{rs} 21 10 8

Shutter Stones — 2 — — Each 32 —

Still Stones — 2 — — 4 —

Teakwood Shutters — 10 — — 20 —

Excavating foundation and Sundries — — — 37 5 4 418 —

Total Amount of Estimate Rupees — 550 —

Rupees Five hundred and fifty only.

3 Range Office South Arcot
in Amicut, 16th November, 1869

Secretary of South Arcot

Signed George C. F. Barnard Esq.
Assistant Engineer

Edmond Colonel P.E.
Superintg. Engineer 5th Div.

5th Division D.P.W.

N^o 3 Range

Abstract Estimate for

Constructing Head Sluice to
the branch channel leading
from the Amoor main channel

for the supply of irrigation
large and small tanks,
Attenuated dam, and
Amoor channel.

Amount of Estimate Rs. 550-—

Agricultural.

New Work

South Arcot District.

No. 3 Range.

Trichalur Taluk

Abstract Estimate of 1869-70

Work Constructing a Siphon Sluice of 30 yards body and three of 12 yards body each across the Pothoopalium and Amoor channels to carry the Sithulingamadam Tank water to the fields on the other side of channel

Agent Census — 471-7-2 — — — — — Reper. 3947-12-5

5 years average — 401-11- — — — — — do — 3441-14- —

Highest of 5 years — 399-12-3 — — — — — do — 3550-10-5

Remarks. The Sithulingamadam Tank water has to be conveyed across the Pothoopalium and Amoor channels for the irrigation of the lands on the other side of it this cannot be done now without causing injury to the Pothoopalium and Amoor channels as well as frequent trouble and loss to the ryots. Some lands are also laid waste owing to the inconvenience in carrying water for their irrigation The construction of the necessary Siphon Sluices is therefore urgent.

This work is situated about 3 Miles South East of the Ponnai Amint.

Quantities	Description of Work	Rate Per	Amount Total
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1 Siphon Sluice of 30 yds body.

31 2/3	Cub yds of Rough Stone in Chumam	2	Rs 63 5 4
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5 1/2	do of Bricks in Chumam	3	do 192 - -
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	Cutting foundation and Sundries		24 10 8 280 - -
--	---------------------------------	--	-----------------

	Carried forward		280 - -
--	-----------------	--	---------

5th Division D. W.
South Arcot District
No. 3 Range
Sithulingamadam Tank
Constructing a Siphon Sluice of 30 yards body and three of 12 yards body each across the Pothoopalium and Amoor channels to carry the Sithulingamadam Tank water to the fields on the other side of channel

Brought forward _____ 280

3 Saphron Slaves of 12 yds body each

45 $\frac{2}{3}$ Cub. yds of Rough Stone in Chunam 2 . . Cys 91 54

93 —do— of Bricks in Chunam— 3 . . do 279 . .

Cutting foundation and Sundries————— 59 10 8 430

Total Amount of Estimate Rs. — 710

No 3 Range Office South Arcot } /Signed/ G C J Barnardo B.A
Pooncar Ancient 16th November } Assistant Engineer
1869 }

Chululade
Collector of South. Arec.

Edmond Colonel R. E.
Superintending Engineer S. B.

Fifth Division D.P.W.
South Arcot District
 2/14/70

MM 114 9/70

Abstract Estimate for
 constructing a Syphon sluice
 of 30 yds body and 3 of 12 yds
 body each, across the Potho
 paleni and Amoor Channels
 to carry the Sethelingamadam
 Tank water to the fields on the
 other side of Channel.

Amount of Estimate Rs 710--

Public Works Department
 No 997
 Proceedings of the Madras Government
 under date the 9th April 1870
 Read the following

From The Supt Engineer, S. E. No 214 Dated 17th March 1870

The Government sanc-
 tion for execution from the
 Reserve under Agricultural
 for the year 1870-71, the follow-
 ing estimates, which were
 received with the letter from
 the Supt Engineer, 5th Division,
 recorded in these Proceedings.

Constructing 4 Syphon sluices under the
 Pothopaleni and Amoor Channels — Rs 710
 Cutting a Channel from the Amoor
 branch channel and constructing
 two head sluices — 550
 Constructing 4 head sluices on branch
 channels from the Amoor main channel — 620

Wm. 21/3/70

To Supt Engineer, 5th Div.
 Chief Secy for Engrs.
 Controller of P.W. Accts.

Desks 11/4/70.

[illegible]

1. *Ammonia* (NH₃)
 2. *Carbon Dioxide* (CO₂)
 3. *Hydrogen* (H₂)
 4. *Hydrogen Chloride* (HCl)
 5. *Hydrogen Sulfide* (H₂S)
 6. *Hydroxyl* (OH)
 7. *Hydroxyl* (OH)
 8. *Hydroxyl* (OH)
 9. *Hydroxyl* (OH)
 10. *Hydroxyl* (OH)

1975-1976

1000

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e. 28th March 1870 Or. - 2nd half

Cue 1140
Gt. of 1870: Madras.

PUBLIC WORKS.

To
The Superintending Eng.
5th Division

Dated

Recd

Encl. 1

G. O. April 570, No 997.

Nos. 155-156

1st Section Works Papering order
on the ~~Section~~ taken from the
day. Receipt of the 5th Division
for the ~~Section~~ certain ~~Section~~
as on the ~~Section~~ taking
of the South ~~Section~~.