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*Proceedings of the Madras Government, Public Works Department,
16th September 1875.*

No. 359.

Read the following:—

*TAMBRAPURNI IRRIGATION—CAPITAL, ORDINARY—ARIYANAIAKAPURAM
SECTION.*

ABSTRACT ESTIMATE, No 2 of 1875-76.

Tinnevely District, Ambasamudrum Taluq.

Work.—Constructing a Head-sluiice for the Kodagan Channel.

Quantity.	Description of Work.	Rate.			Amount.			Total.
		RS.	A.	P.	RS.	A.	P.	RS.
88	C. yards of concrete in hydraulic mortar, at	3	8	0	308	0	0	8,200
111½	" of brick in do., at	5	8	0	614	10	0	
424½	" of brick in mortar, at	5	0	0	2,122	8	0	
55	" of cutstone in mortar and pointed with Portland cement for flooring, at	21	0	0	1,155	0	0	
46	C yards of do. do. for casing, at	22	0	0	1,012	0	0	8,200
8½	" of do. do. for coping, at	27	0	0	236	4	0	
28½	" of archwork including centring, at	6	8	0	185	4	0	
3,187	Square feet of pointing per square...	4	0	0	127	7	8	
105½	Cubic yards of loose rough-stone, at	2	0	0	210	8	0	8,200
20	Cubic feet of Vangay or Congoewood wrought and put up, at	3	8	0	70	0	0	
4	Teakwood shutters with iron lifting bolts and all fittings, &c., complete, at	250	0	0	1,000	0	0	
	Excavation for foundation and filling in	...	...	...	200	0	0	
	Temporary embankment	...	...	...	200	0	0	8,200
	Baling	...	...	...	200	0	0	
	Lascars' huts	...	...	...	150	0	0	
	Scaffolding, sundries, and contingencies	...	...	...	7,791	9	8	
	Extra establishment	...	...	...	258	6	4	8,200
		...	...	...	150	0	0	
	Constructing an embankment to prevent the Velloday water outflanking the new head-sluiice to the Kodagan Channel.	...	...	...	...	...	...	
29,857	Cubic yards of earth, at	0	1	3	2,332	9	3	
2	Acres of nunjah (compensation), at	500	0	0	1,000	0	0	3,500
	Levelling, tamping and sundries, and providing escapes for water	...	...	...	117	6	9	
	Extra establishment	...	...	...	50	0	0	
	Total Estimate	...	...	...	...	...	...	
								11,700

No. 1,051.

Note by the Chief Engineer for Irrigation.

In G. O., No. 3,193, of the 11th November 1874, an estimate of Rupees 7,250 was sanctioned for constructing a head-sluiice for the regulation of the supply to the Kodagan Channel from the Tambrapurni, and, as in the case of the Palicm Channel head-sluiice, attention was called in the note on the estimate to the necessity for

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16th September 1875.

ascertaining accurately maximum flood level and providing a sufficient margin there-
above. Revised arrangements for the Paliem head-sluice have recently been
sanctioned, * and the Officiating District
* G. O., No. 2,502, dated 1st September 1875. Engineer has now transmitted a revised
design for the Kodagan head-sluice, and an estimate, amounting to Rupees 11,700,
showing an increase of Rupees 4,450.

2. The alteration of the sluice so as to place its roadway 3 feet above maximum
ascertained flood level accounts for only Rupees 950 of the excess, while Rupees 3,500
are required for flood banks in connection with the sluice to prevent the latter being
turned. The roadway will now be 15.72 feet above the mean level of the crest of the
Ariyanakapuram Anicut, and the revised arrangements having been based on careful
investigations checked by levels, there is good reason for supposing that the intended
object of the works will be fully secured. No sections of the flood bank have been
forwarded, neither has its direction and extent been shown on the site plan. Its top
should be made up in the first instance to 1 foot above the sluice roadway to allow
for settlement, and all unequal settlements should be made good, so that the proper level
may be permanently maintained.

OOTACAMUND, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
15th September 1875. Chief Engineer for Irrigation.

No. 360. ORDER THEREON, 16th September 1875, No. 2,663.

IRRIGATION, No. 34-A.

Account.

UNDER the circumstances reported, the
revised estimate of Rupees 11,700 for the
Kodagan Channel Head-sluice and for the
flood bank therewith connected is sanc-
tioned, in lieu of that for Rupees 7,250 approved in G. O., No. 3,193, of the 11th
November 1874.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Tinnevely. 4
Chief Engineer for Irrigation. 3
Controller of Public Works Accounts. 1
Coln of Tinnevely. 1
Rev: Dept. 1

Exd. E. C. Shunker.
Spare Copies

No. 1057.

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Note by the Chief Engineer for Irrigation.

Encl: 5.

In G. O. No. 3193 of the 11th November 1874
an estimate of Rupees 7,250 was sanc-
tioned for constructing a head sluice
for the regulation of the supply to the
Kodagan Channel from the Samba-
footney, and, as in the case of the
Paliem Channel head sluice, attention
was called in the note on the estimate
to the necessity for ascertaining ac-
curately maximum flood level and
providing a sufficient margin there-
above. Revised arrangements for the
Paliem head sluice have recently been
sanctioned and the Officiating District
G. O. No. 2502 dated 1st Sept. Engineer has now transmitted a re-
vised design for the Kodagan head
sluice, and an estimate amounting to
Rupees 11,700 showing an increase of
Rupees 4,450.

J.H.

2. The alteration of the sluice so as to place its roadway 3 feet above maximum ascertained flood level accounts for only Rupees 950 of the excess, while Rupees 3,500 are required for flood banks in connection with the sluice to prevent the latter being turned. The roadway will now be 15.72 feet above the mean level of the crest of the Kriyanaik R. furam Anicut, and the revised arrangements having been based on careful investigations checked by levels, there is good reason for supposing that the intended object of the works will be fully secured. No sections of the flood bank have been forwarded, neither has its direction & extent been shown on the site plan. Its top should be made up in the first instance to one foot above the sluice roadway to allow

for settlement and all unequal settlements should be made good so that the proper level may be permanently maintained.

Voluntaries Leadfall R.C.
Chief Engineer for Irrigation

Ootacamund
15th Sept 1915

To The Secretary to Government
S.H.O.

20 Nov 176. 177 d/11/174

P. W. 1895 Sept.
No. 6082

From

The Chief Supt
for Irrigation

Do 15th Sept
No. 22 - 1895.
E.S. No. 1051.

Note on a revised
Plan & Estimate for Country.
Head sluice to the Koda-
gan Channel, Tinn-
nevelly Dist.

Sb. 2663. 16-9-75.

-14357-

No 2663 S.H. Perm
act 7c
Pro: Office Madras Government

Under date the 16th Sept 75.
Recd the following
from the Chief Supt for Irriga (H. E. Report of 15th Sept 75)

Under the circum-
stances reported the
revised estimate of
Rupees 11,700 for the
Kodagan channel head
sluice and for the land
bank therewith con-
-nected is sanctioned,
in lieu of that for
Rupees 7,250 approved
in H.C. No 3193 of the
11th November 1894.

Collr of Tinnnevelly - 1
Rev: Supt - 1
S. S. Tinnnevelly - 5
Chrgs for Supt - 3
Cont. of H. E. - 3

with 5 Enclosures.
Sd. 2663. 7-10-75

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of 1875 Madras
PUBLIC WORKS.

Mr. D. S. S. S.

Wichy.

Issued

Recd.

Encl.

G. O.,

16 Sept

No. 2663

359-360

Madagar Channel Head
Union, Commercially

The Revd. Estimate of Rs 11700
for constructing the — and
for the flood bank thereon
connected, sanctioned in lieu
of that for Rs 7250 approved
in G.O. 3193 of 11 Nov 1874