

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 10 21	~~Recd~~ Mis.
265-262	
Dated 12-4-	1865.

Not to be folded or roughly handled

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- 1 - A Longitudinal Section of the Pular River carried 4 miles above the Annicut. On the same plan are Sections shewing the slope of the country directly inland on either side of the River.
- 2 - A Plan and Section of the Annicut and Head Works.
- 3 - A Skeleton Map of the country in the vicinity of the Annicut shewing the direction in which the several lines of levels have been carried.
- 4 - The old specifications cannot be found. A short descriptive Memo is enclosed.

2 With reference to the penultimate paragraph of the Secretary's Memo, it is observed that there is no discharge whatever during the driest season.—

Chap. J. Engr. Office & 29th }
Madison 31st March 1865 }

Arleau Coll. A.E.

Sup. Engr. & ¹⁰ D^{rs}
To, Colonel C. A. Orr, R. E.
Secretary to Government
Public Works Dep^{ts}

General

Specification to accompany Plan of the Palar Annicut.

The Body of the Annicut across the Palar River near Arcot is 2610 feet long averaging 6 feet thick and 7 feet high, that is 6 feet of Brick Masonry and One foot (at top) of granite. The foundations are laid on 3 feet wells sunk $12\frac{1}{2}$ feet below bed level, the wells being 8 feet high, and capped with $4\frac{1}{2}$ feet of Masonry. There is an Apron 58 feet broad in rear of the Annicut body and 78 feet broad in rear of the Sluices, built to a depth of $4\frac{1}{2}$ feet; the lower $3\frac{1}{2}$ feet being in rough stone and the upper foot being of stone half dressed set in mortar. The Apron is supported by a Brick in Chumam retaining wall 5 feet deep over wells sunk 8 feet. A cut Stone Apron 10 feet broad is about to be built to reduce the fall and render the work more secure.

There were originally 13 under Sluices in the body of the Annicut, 11 of which have 5 vents, and 2, 2 vents; all 5 feet broad and

12774.

1865
Recd of Genl for Office
of Mr. H. O. 11/05

The Deputy Engineer &c

of the Secretary to Government

Recd 31st March 1865

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Recd 31st March 1865

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Recd 31st March 1865

Recd 31st March 1865

and 7 feet high, but lately the 2 vent surplus
Shice at the South side has been converted
into a Head Shice. The work is flanked
by Wing Walls as per plan.

Piers of Brick Masonry have
been raised to the height of the Summit,
with a view to eventually bridging the structure.

Supg Engr's Office
4th Division
Madras 31st March 1865

A. H. Orlean Col R.E.
Supg Engr 4th Division

Civil Works

NO 1021

Public Works Department
Proceedings of the Madras Government
Under date the 12th April 1865.

Read the following -

From
The Supt Engineer 1st Gr.

Forwarded Plans for
of the Palace Anicut
called for in Memo: No 21 -
dated 4th February 1865

Have entered 31st March
1865. No 300

Ordered that the
following letter be de-
spatched
NO 1022

To
The Secretary to Govt
Public Works Dept
North West Provinces

Sir In continuation of
my letter No 23 dated
6th January 1865 I
am directed by His
Excellency the Governor

29/8/11 Web

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in Council to forward
herewith copies of the
papers marginally noted
with Plans to be
training the following
information regarding
the Palas river and
Amnicut in the
North West District

G. O. No. 32
10th February
1 Memo No.
31st March
Specimens
Plans

- 1st Longitudinal Section of the
Palas river for one mile
above and below the Amnicut
with ^{highest and} average flow levels —
- 2nd Transverse Sections of river
above and below the Amnicut
with sections of Country —
- 3rd Longitudinal Section of
the Palas river for 4 miles
above the Amnicut with
Sections of Country on ^{each} ~~both~~
~~South~~ Side of the ~~river~~
- 4th Section of Country on the
South Side of the Amnicut
- 5th Skeleton Map of
Country in vicinity of the
Amnicut —

6th Plan and Sections of Amnicut
with Specifications —

7th Memo of rates paid for several
kinds of work executed on the Amnicut
with Statement of distances from
which stone was brought and of
the period in which the Amnicut
was completed

The discharge of
the river in maximum
floods is 16,000,000
cubic fathoms per hour
There is no discharge
during the dry season.

Shepherd }
12th April 1865 }
11

CS

27th April

12-6-76

No 1865 Departe
Proc. of Gov. for April

No 1021.81022
Proc. of the Algovt
Apr 12 April 1865

Memo from the
Chief Engineer to the
Submitting a longi-
tudinal Section
View of the Cataracts
& Ancient North
West District
With orders thereon

No 260 @ 262

No 1865 Departe