

(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.	38	Press
B.P. No.		Mr
Dated	7 - 1 - 195	1875

Original

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
7th January 1875.*

Read the following:—

No. 1,016.

No 73. *Note by the Chief Engineer for Irrigation.*

THE proposal to construct an under tunnel to drain the lands to the east of the Kakarapurru canal into the Gostanuddy is a proper one. It should have been duly submitted for sanction by the late District Engineer, who exceeded his authority in allowing a part of the tunnel in connection with the lock weir to be gone on with, without at once sending up the plan and estimate for the complete work. The tunnel will no doubt greatly improve the condition of the lands referred to, and will remove a great inconvenience, but it would have been better had its dimensions been one-fourth, or a little more, greater, as, according to the arrangements on which the delta drainages have recently been proposed to be carried out, this work should be capable of passing 2 inches of rainfall drainage in the twenty-four hours, and that would be equivalent to 313 cubic feet a second, instead of the 245 cubic feet which this tunnel with the water levels marked will discharge. However, the difference is not sufficiently great to make it worthwhile to alter the lock weir through which the tunnel will discharge.

2. The canals are to be closed in January, and this tunnel can be completed only when they are laid dry. It is therefore very desirable that sanction should be given at once for its construction, and, as the natural flow of drainage appears to have been obstructed by the Kakarapurru canal, it will be proper to charge the cost to the delta improvements, and it should be debited to the Kakarapurru canal, for which a revised estimate is under preparation, pending the disposal of which the tunnel may be allowed to be gone on with.

SURAMUNGALAM,
7th December 1874.

(Signed) JOHN MULLINS, Lieut-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 74. ORDER THEREON, 7th January 1875, No. 38.

IRRIGATION, No. 13.

UNDER the circumstances represented, the construction of the tunnel under the Kakarapurru canal, for the drainage of lands to the eastward, may be proceeded with, pending the submission of a revised estimate for the canal, but the Government must notice the irregularity of the proceedings of the late District Engineer in authorizing the construction of a part of the tunnel and omitting to obtain sanction for the full estimate of Rupees 3,650.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation
" District Engineer, Godavery
" Controller of Public Works Accounts.

Exd E. C Shunker.
Spare Copies

No 2689 - District Engineers Office, Gody.
Dowlashivaram 24th November 1874

From,

Mayor J Beatty R. E.

District Engineer Godavary.

1800-1801

Lieutenant Colonel J. Mullins R.E.
Chief Engineer for Irrigation.
Madras

My dear Sir

I have the honor to inform you

that my predecessor sanctioned the construction of a new drainage tunnel, under the Kakharaparru Canal, at the site of the Gostanuddy Weir, as part of the drainage works on the Gostanuddy; but as it is a considerable work, and the plan and estimate have only now been completed, I think it well to send it on for your information and approval before work is commenced.

2. As you will observe by the Executive Engineer's letter, ten feet in length of the tunnel at the lower end, on the NE side

side of the body wall of the Weir, together with an archway through the wall, have already been built, at the same time that the weir was in progress.

3. The object of the proposed work is to provide an outlet for the drainage of about 6 square miles of country, which have hitherto had to remain in a flooded state until the navigation of the canal could be stopped, the water level lowered, and a breach into it given; or until the Telvennu tunnel had discharged the drainage that properly belongs to it, and for which it is found to be very insufficient.

4. I send copies of the Executive Engineer's letters regarding the tunnel, and have authorized him to proceed with the collection of materials, with a view to the construction of the work after the canals have been closed in January.

5. The new Gostanuddy Lock and Weir were completed, and water admitted to them at the close of last month; the end of the proposed tunnel in the body wall of

No. 488

No. 3 or Western Delta
Range Office Vēravāsaram
75th November 1874.

From

The Executive Engineer
No. 3 or Western Delta Range QD.

To

The District Engineer
Godavery District

Sir,

Just after the commencement of the Gostanuddy Head Weir last season, it was decided to build in connection with it an under tunnel to carry off drainage from East bank of Kakrapam canal, but as the canals were closed and materials were not at hand for the whole work it was decided to do only 10' in length of the tunnel beyond the body wall of the weir. I now send a plan and estimate for the rest of the work which I trust will be sanctioned to be gone on with whilst the canals are shut. The proposed tunnel which will take the

Drainage

In this case
to be returned

No. 493.

Camp Narsapur

From,

The Executive Engineer

No. III Range Godavery

To

The District Engineer

Godavery District.

Dated 16th/11

Received

1874.

Enclosure.

Subject -

Sir,

With reference to my No. 488-15th inst.

To save reference and unnecessary delay

I have the honor to state that the length

given to the barrel of the tunnel is so -

Under the Kaka-
rapurru Canal
at Gostanuddy
Head.

much more than the normal width of

the Canal because the weir is recessed

& the canal at the place is actually such

as to necessitate the length given unless

the Eastern Bank were drawn in at the

place and for some distance above and

below. A course which would cost more

than making the length of the tunnel

as

P. M. 7809/74

23/11/74

as designed.

Have the honor to be very
/ Signed / L. J. Walsh,
Executive Engineer.

(True Copy)

L. Beatty. Major R.E.
District Engineer Godavery.

P. M. 7809/74
2

Encl^{re} 6

No. 1016

Note by the Chief Engineer for Irrigation...
The proposal to construct an under tunnel
to drain the lands to the East of the Kakara-
ganga Canal into the Godavaddy is a proper
one. It should have been duly submitted
for sanction by the late District Engineer,
who exceeded his authority in allowing a
part of the tunnel in connection with the
lock weir to be gone on with, without at once
sending up the plan and estimate for the
complete work. The tunnel will no doubt
greatly improve the condition of the lands
referred to, and will remove a great incon-
venience, but it would have been better had
its dimensions been one fourth, or a little
more, greater, as according to the arrange-
ments on which the Delta drainages
have recently been proposed to be carried
out, this work should be capable of passing
2 inches of rainfall drainage in the 24-
hours, and that would be equivalent to
313 cubic feet a second, instead of the 245
Cubic

tion of a part of the tunnel
and omitting to obtain sanc-
tion for the full estimate
Rupees 3650.

11/1/75
[Signature]

[Faint handwritten notes]

[Faint handwritten notes]

To the Chief Engr. for drain. ✓
S. C. Gadavary with 2 Plans ✓
Controller with Ab. Estimate ✓
Sept 8/1/75.

2277
From
The Dist Engineer
Godavery
To
The Chief Engineer
for Irrigation.

Dated 24 Nov 1874
Recd 30 Dec -
N 2689
Enclosure Five
Forwarding plans
and estimate of the
Gostanuddy drain-
age tunnel.

6/12/74
P. N. 7809/74
Even 4

7809 ✓

Cost. of 118.5 Madras.

PUBLIC WORKS.

To

The Chief Engineer
for the
Godavari

By

Re

P. 1

60, 7 Jan 1888 38

Nos. 70-74.

Kakrapur Canal
Godavari S. The con-
struction of the tunnel
under the Canal for the
drainage of lands to the
Eastward ordered to be
proceeded with, pending
submission of a revised Es-
timate for the Canal, &
the irregularity of the pro-
ceedings of the late S. M.
in authorizing the con-
struction of a part of the

tunnel, & omitting to
obtain sanction for the
full Estimate of Rs.
3650 notice of -

of the weir being for the present closed with
masonry.

I have the honor to be,

Sir,

Your Most obedient Servt.

J. Beatty Major R.E.
District Engineer Godavery.

Beatty

J. W. 1874 Depart.
The Chief Engineer
for Irrigation

The Secretary Genl.
Mr. S.

No 1016

Dated 7th
Dec 12. } Dec 7th
Recd 12th

Encls 6

Elc No: 38. 7-1-75.
Recommends for
sanction the con-
struction of the tun-
nel under the Kaka-
rapuwa Canal for
drainage off and to
the Eastward pend-
ing submission of view
estimate for the canal.

No 70

On 15-12-74