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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

C.O. No.	Pres No.
Dated	15-1-38

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
for the month of January 1860.

Read the following papers.

No. 91. From Lieutenant-Colonel J. H. BELL, Chief Engineer; to J. D. BOURDIL-
LON, Esq., Secretary to Government, dated 7th December 1859, No. 8037.

I have the honor to forward herewith the reports received from the acting District Engi-
neer, Gódlavari Division, and the Collector of Rajamandri on
the importance of making early provision for prosecuting the
projected* improvements to the Akid canal and the embanking
of the Weyairá, a work which has hitherto been deferred in
consequence of the restrictions imposed on expenditure. The
advantages, however, which are expected to result from the pro-
ject, and which both the Collector and the District Engineer are sanguine will be realized, are
such as to fully warrant the contemplated expenditure. They may be briefly stated as follows.

1 Letter from District Engineer, 19th
September 1859, No. 230.
1 Do. Collector, 23rd do. with 1
enclosure.
1 Do. District Engineer 2nd Novem-
ber, with 2 enclosures.
* Item No. 196, of budget No. 2 for
1859-60.

1st. The irrigation of about 20,000 acres of land in addition to 12,211 acres which are
now irrigated, besides a large extent of swamp land, averaging 10,500 acres, which will eventu-
ally be productive. Assuming that 1/4th only of the 20,000 acres now waste is at first brought
under cultivation, and that it will be six years before the whole extent is similarly occupied, the
additional revenue at so low a rate of assessment as two Rupees per acre, is given by the Col-
lector† as follows, which is independent of that which will be
realized by the cultivation of the swamp land referred to
above.

For 1st two years at 10,000 Rupees per annum	20,000
„ 2nd two years at 20,000 „ per do. „ .. .	40,000
„ 3rd two years	60,000
Total additional revenue realized in the 1st 6 years	1,20,000
Annual revenue each subsequent year	40,000

2ndly. The proposed works will also be the means of keeping open the navigation from the
Weyairá and Venka channels into the Colair lake and into the Uppotair, by which latter route
an immediate connection will be opened with the salt pans at Buntumulli, and ultimately with
Masulipatam.

3rdly. The south west half of the fertile Undi taluq will also be provided with first
rate water carriage for its produce.

4thly. The annual expense which is now incurred in bunding and breaching the Weyaira,
Bakerys Canema, Rodra Coadu, &c., and which varies according to the season from 500 to 1,000
Rupees, will be saved, and the land now imperfectly irrigated by these expedients (comprising no
portion of the above extent of 20,000 acres) will be far better supplied, and that without the
waste of water which takes place by the present arrangement.

5thly. A certain supply of water for domestic purposes will be ensured to a tract of country
where the want of it is much felt.

2. As above stated, both the Revenue and Engineer authorities agree in considering the
work of the greatest importance as affecting the interests both of Government and of the
agricultural population, the only difference of opinion being in the probable time within
which these advantages will accrue. The acting District Engineer is convinced that they will
immediately follow the execution of the work, but the officiating Sub-Collector is of opinion
that the people are not in a position at present to carry on immediately a very largely extended
cultivation. He adds, however, that a difference of a year or two should constitute no imped-
iment to the prosecution of a project, which manifestly will be so vastly beneficial.

Proceedings of the Madras Government, Public Works Department,
for the month of January 1860.

3. With reference to the cordial support which the project has thus received, and with a prospect of the favorable results, explained above, as confidently expected to follow the execution of the work, I recommend that the revised estimate, herewith submitted, amounting to Rupees 74,660, which has been prepared with reference to the prevailing rates in the district, may be substituted in the budget of 1860-61 for the amount of the original estimate of Rupees 64,820, entered in budget statement No. 2 of 1859-60 as item No. 196. I also recommend that provision may be made in the budget to the extent of the revised estimate to admit of the work being commenced in May 1860 and prosecuted as vigorously as possible.

4. The estimate has been duly examined and found to be moderate but sufficient.

No. 92. Official Memorandum from J. D. BOURDILLON, Esq., Secretary to Government; to Lieutenant-Colonel J. H. BELL, Chief Engineer, dated 7th December 1859, No. 355.

It is requested that the Chief Engineer will be good enough to intimate what particular canal i. e. between what places, is intended in his letter of this date No. 8037, under the term Akid canal, and that he will also give a reference to the former correspondence respecting it. The undersigned cannot but remark likewise that scarcely a word is said in the Chief Engineer's letter in explanation of the increase of 10,000 Rupees now made in the estimate. It is requested that information on this point may be supplied.

The sketch plan which it is presumed was formerly laid before Government should also be now sent up again.

No. 93. Official Memorandum from Lieutenant-Colonel J. H. BELL, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 13th December 1859, No. 357.

The Chief Engineer has the honor in reply to the official memorandum from the Secretary to Government, Public Works Department, dated 7th instant, No. 355, to refer to the correspondence marginally noted, respecting the projected improvements to the Akid canal and the embanking of the Weyand. The late Chief Engineer's report marginally quoted above enters fully into an explanation of the position of the proposed locks with respect to the canal and the sketch map now forwarded, (which was originally submitted when the project was recommended for sanction,) will further explain what portion of the canal was referred to in the Chief Engineer's letter of the 7th instant, No. 8037.

2. As respects the increase of nearly 10,000 Rupees in the estimate which Government desire should be explained, the Chief Engineer has the honor to refer to the last paragraph of his letter above quoted, from which it will be observed that the increase is to be attributed to a revision of the original estimate with reference to the prevailing rates in the district. The Government is aware that few estimates made so long ago as that of the Akid canal are now applicable without revision of the rates.

No. 94. Dated 21st Jan., 26th January 1860, No. 202.

The Government resolve to defer for the present the consideration of the estimate for improvements to the Akid canal amounting to Rupees 74,660, as under the limitation regarding expenditure contained in the orders of the Government of India dated 24th December 1859 No. 8310 there are no funds available for carrying out the project in 1860-61. The papers, which accompanied the Chief Engineer's letter and memorandum will be returned to the Central office to be submitted for consideration on a future occasion.

(Signed) T. PYCROFT,
Chief Secretary.

Central Office of P.W.
Fort St. George
7th December 1859.

No. 8037

From

The Chief Engineer

To The Secretary to Government P.W.

Madras

I have the honor to forward
herewith the reports received from
the Acting District Engineer, Coimbatore

Encs 6.

1. Letter from D. S. P.
17th Dec 1859, No. 230
1. D. S. P. 28th Dec 1859, No. 231
1. D. S. P. 29th Dec 1859, No. 232

+ Item No. 196 of
Budget 1862 for
1859/60.

Division and the Collector of Pajshamun.
on the importance of making early
provision for preventing the project's
improvements to the Akid Canal and
the embanking of the Weyand, a work
which has hitherto been deferred in
consequence of the restrictions imposed
on expenditure. The advantages, however,
which are expected to result from the
project, and which both the Collector
and the District Engineer are sanguine
will be realized, are such as to fully
warrant the contemplated expenditure.
They may be briefly stated as
follows.

1st The irrigation of about 20,000 acres of land in addition to 12,241 acres which are now irrigated, besides a large extent of Swamp land, averaging 10,500 acres, which will eventually be productive. Assuming that 1/2 only of the 20,000 acres now waste is at first brought under cultivation, and that it will be 6 years before the whole extent is similarly occupied, the assessoral Revenue at the low rate of assessment as 2 Rs. per acre, is given by the Collector as follows, which is independent of that which will be realized by the cultivation of the Swamp land referred to above.

For 1st 6 years at 10,000 Rs per

Assessment	20,000
" 2 ^d two years at 20,000 Rs	
per 1 st	40,000
" 3 ^d two years	40,000
Total assessoral Revenue	
Realized in 1 st 6 years	120,000

Annual Revenue each subsequent year 40,000

The proposed works will also be

Letter from C. S.
723 Sept 19
8-13

to the means of keeping open the navigation from the Weyair and Ventura Channels into the Colair Lake and into the Apputun, by which latter route an immediate communication will be opened with the Salt pans at Puntumulli, and ultimately with Manipatnam.

3rd The S. B. bag of the port to West, Talay will also be provided with fresh rate water Carriage for its produce.

4th The annual expenses which is now incurred in bundling and brackling the Regaird Bakergo, Canema, Noda, Bodu &c, and which varies according to the season from 500 to 1000 Rupees, will be saved, and the land now imperfectly irrigated by these expenses comprising no portion of the above extent of 20,000 acres will be far better supplied, and that without the waste of water which takes place by the present arrangement.

5th A certain supply of water for domestic purposes will be ensured to a tract of Country where the want of it is much felt.

As above stated, both the Revenue and Engineer Authorities agree

of Vudra dated 5th Decr 1859. 4834
H. H.

again in considering the work of the
greatest importance as affecting the
interests both of Government and of
the agricultural population, the
only difference of opinion being in the
probable time within which these
advantages will accrue. The Acting
District Engineer is convinced that they
will immediately follow the execution
of the work, but the Officiating Sub
Collector is of opinion that the people
are not in a position at present to
carry on immediately a very largely
extended cultivation. He adds however,
that a difference of a year or two
should constitute no impediment to
the prosecution of a project, which
manifestly will be so vastly beneficial.
With reference to the cordial
support which the project has thus
received, and with a prospect of
the favorable results, I explain along
with the estimate, the reasons for the
estimates, herewith submitted, amounting
to Rs 4669, which has been prepared
with reference to the prevailing
rates in the District, may be
substituted in the Budget of 1860/61
for

7
for the amount of the original Estimate
of Rs 4,820, entered in Budget
Statement No 2 of 1859/60 as item
No 46. I also recommend that pro-
vision may be made in the Budget
to the extent of the Revised Estimate
to which of the work being commenced
in May 1860 and prosecuted as
vigorously as possible.

4. The Estimate has been duly
examined and found to be moderate
but sufficient.

Fort St George
7th Dec 1859

Edw. H. Davis
Byd Supd. &c

I have the honor to be,
Sir,
Your most obedt Servt.

M. W. Seal
Chief Secy

I
The Secretary to Government
p. 12

x² 26

of India dated 5th Dec 1859. A. 334
H. 12

N^o 355.

Official Memorandum

It is requested that the Chief Engineer will be good enough to intimate what particular Canal, I. E. between what places, is intended in his letter of this date N^o 3037, under the term a Reed Canal, and that he will also give a reference to the former correspondence respecting it. The undersigned cannot but remark likewise that scarcely a word is said in the Chief Engineer's letter in explanation of the increase of 15,000 Rupees now made in the estimate. It is requested that information on this point may be supplied.

The sketch plan which it is presumed was formerly laid before Government should also be now sent up again.

Fort St George
7th December 1859
Signed / J. P. Bourdillon
Secy to Govt

The Chief Engineer.

L. H. B. 1859

of India dated 5th Decr 1859
this

Recd 11 Dec 1859

Dec 11 1859
Office of the Chief Engineer
to the Secy to Govt
N^o 3198

The Chief Engineer
to the Secy to Govt
N^o 3198

Dec 11 1859
Recd 7

Dec 11 1859
N^o 3198
N^o 8037

Recd 6 Dec 1859

Forwarded to the Secy to Govt
for consideration of the
Government of India
N^o 3198
N^o 8037
N^o 3198
N^o 8037
N^o 3198
N^o 8037

Dec 11 1859

2000-16 of January

2000-16 of January

2000-16 of January

2000-16 of January

To the Chief Engineer

Chief Engineer

1855

2000-16 of January

Central Office of P.W.
Fort Saint George
13th December 1889

N^o. 8272

Official Memorandum

Irrigation

Enclosures & Plans

To Government 26th Jan^y. 1888.
From P.W. 8th January 1888.
From P.W. 11th November 1888. N^o. 2364.

The Chief Engineer has the honor to reply to the Official Memorandum from the Secretary to Government Public Works Department, dated 7th Instant, N^o. 8255, to refer to the correspondence marginally noted respecting the projected improvements to the Aikid Canal and the embanking of the Megasthi. The late Chief Engineer's report marginally quoted above enters fully into an explanation of the position of the proposed locks with respect to the canal and the sketch maps now forwarded which was originally submitted when the project was recommended for sanction, will further explain in what portion of the Canal was referred to in the Chief Engineer's letter of the 7th Instant. N^o. 8037.

2. As respects the increase of nearly 10000 Acres in the Estimate which Government desire should be explained, the Chief Engineer has the honor to refer to the last Para of his letter above quoted, from which it will be

be observed that the increase is to be attributed to a revision
of the original Estimate with reference to the prevailing
rates in the District. The Government is aware that few
Estimates made so long ago as that of the Atoll Canal
are now applicable without revision of the rates.

Port Saint George
13th December 1859.

M. L. Smith Colonel.
Chief Engineer.

L. L. Smith Colonel.
D. Chief Engineer in charge
of the Atoll Canal.

To,
The Secretary to Government
Public Works Department.

Proceedings of the Madras Government
Under date the 26th January 1860.
Read the following Paper

From the Chief Engineer
Forwards a revised estimate
for certain improvements to the
Arkid Canal amounting to Rs. 74,660 (More order of Decr. 1859 No 355)
and recommends that provision may
be made in the Budget for their
execution.

From the Chief Engineer (— do — 7th — do — No 355)

From the Chief Engineer
Furnishes in the reference
to a Memorandum dated 7th Inst. (— do — 13th — do — No 355)
No 355 information regarding the
improvements to Arkid Canal.

The Government
resolved to refer for the pre-
sent the consideration of
the estimate for improvements
to the Arkid Canal amount-
ing to Rs. 74,660, as under
the limitation regarding
expenditure contained in
the orders of the Government
of India dated 5th Decr. 1859. No 355.
Their

From the Chief Engineer
13th Jan 1859 24-25
16th Jan 1859 9-10
17th Dec 1859 No 355
From the Chief Engineer
17th Dec 1859 No 355
From the Chief Engineer
17th Dec 1859 No 355

in the country
to Government No 110

Dated 13th Decr 1859
No 16
From the Chief Engineer
17th Dec 1859 No 355

From the Chief Engineer
17th Dec 1859 No 355
From the Chief Engineer
17th Dec 1859 No 355
From the Chief Engineer
17th Dec 1859 No 355

there are no funds available
for carrying out ^{the} project in
1860/61. The papers which
accompanied the Chief
Engineer's letter and Memo
will be returned to the
Central Office to be resub-
mitted for consideration
on a future occasion.

JP

10 Cpi to the Chief Eng.
with paper 11 Encls.
To the Chief Eng.
Disps 27