

(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.	939	(W)	Press
B.P. No.			Mis.
Dated	10 - 4		1876.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
10th April 1876.*

Read the following papers —

No. 165. From T D. HARRIS, Esq, Officiating District Engineer, Malabar, to Major-General G W. WALKER, R E, Secretary to Government, Public Works Department, dated Calicut, 13th March 1876, No 212

I HAVE the honor to forward, for sanction and provision of funds, an estimate and specification for maintaining the Cruz Milagre Dam at Cochin during 1876-77.
Rupees 705

The dam was strengthened and maintained at a cost of Rupees 1,000 in 1874-75, *vide* G O, No 1,714, dated 25th June 1874, and out of the sum of Rupees 800 sanctioned in G O, No 835, dated 24th March 1875, for 1875-76, Rupees 527-4-9 only have been spent up to February. It is not likely that any further expenditure will be incurred in the current official year while materials to the value of Rupees 60 remain at site, so that probably the expenditure for maintenance during 1876-77 will be less than that estimated, but I strongly recommend the sanction of the maintenance grant now submitted so as to be prepared for any emergency

2 The drainage of the surplus water which is thrown into the lagoon on the first burst of the monsoon and at the close of the north-east only requires to be carefully managed for another year or two to ensure the permanent success of this good work, and to put an end to further expenditure on protective works at Cochin.

No 654

No 165-A.

MEMORANDUM.

THE Chief Engineer must again deprecate the constant tendency on the part of the Malabar Public Works Officers to exaggerate the cost of maintaining the Cruz Milagre Dam.

2 In his memorandum recorded with G O, No 1,315, of 16th May 1874, he disapproved the necessity of the work for which an estimate, Rupees 2,860, had been submitted. And that order, while passing an actual outlay of Rupees 516 on maintenance in 1873-74, called attention to the improper amount of petty establishment that it had been proposed to entertain on the work

3 A sum of Rupees 1,000 allotted in G O, No 1,714, of 25th June 1874, and No 2,437, of 24th August 1874, more than sufficed for maintenance in 1874-75. And in the memorandum recorded with the latter order the Chief Engineer again protested against the excessive petty establishments proposed

4. In memorandum recorded with No 835, of 24th March 1875, he had again occasion to cut down the maintenance estimate for 1875-76 from Rupees 1,000 to Rupees 800. Out of which sum the District Engineer reports only Rupees 537 to have been spent up to February, no further expenditure anticipated, and a balance of Rupees 60 worth of materials on hand. And in his letter recorded with G O, No 3,450, of 6th December 1875, he stated that no more protective works would be required. In his Assistant's letter, recorded with the same order, it is stated that a watchman on Rupees 6 a-month is all that will be required hereafter

5. The Chief Engineer considers therefore that it will suffice to place a sum of Rupees 500 at the disposal of the District Engineer, to provide for the pay of a

Proceedings of the Madras Government, Public Works Department,
10th April 1876.

watchman, the repair of the store shed, &c, and employment of labor on occasions of high tides combined with westerly gales, or heavy freshes in the river, when the crests of the dam and of the beach that has formed in front of it may require to be maintained and strengthened

Fort St George,
6th April 1876

(Signed) G W WALKER, Major-General, R.F.,
Chief Engineer, P.W.D.

No 166.

ORDER THEREON, 10th April 1876, No 923

CIVIL WORKS, No 11

A MAINTENANCE allotment of Rs 500
will be made from the Provincial Reserve
on account of the Cruz Milagre Dam

(True Extract.)

Colony,
Offy Under Secy to Govt, P.W.D.

To the District Engineer, Malabar
" Examiner of Public Works Accounts.

Ed S T Austin
Esqre Colona

Malabar District Engineer's Office
No 212. Calicut 13th March 1876

From
The Offg. District Engineer
of Malabar

To
The Secretary to Government
P.W.D. Madras.

Sir,
I have the honor to forward for
sanction and provision of funds an Estimate
and Specification for maintaining the Cruz
Milagre Dam at Cochin during 1876/77.

The dam was strengthened and main-
tained at a cost of Rs 1000 in 1874/75 vide
J. & A. No 1714 dated 25th June 1874 and
out of the sum of Rupees 800 sanctioned
in J. & A. No 835 dated 24th March 1875
for 1875/76, Rupees 527.4-9 only have
been spent up to February. it is not likely
that any further expenditure will be
incurred in the current official year
while materials to the value of Rs 60 remain
at site so that probably the expenditure
for maintenance during 1876/77 will be
less than that estimated. but I strongly
recommend the sanction of the main-
tenance

manoeuvres grant now submitted so as to be prepared for any emergency.

2 The drainage of the surplus water which is thrown into the lagoon on the first burst of the monsoon and at the close of the North-East only requires to be carefully managed for another year or two to ensure the permanent success of this good work and to put an end to further expenditure on protective works at Cachim.

I have the honor to be

Yours most obedt. servant

R. H. M. S.
Offg. District Engineer, Malabar

Specification to accompany the estimate Rs 705 for maintaining the Cruz Embank Dam during the official year 1876-77 2.3

About 30 Cpls of stone is remaining
at site, this should not be used, unless in case

of emergency the Estimate provides for.
 Lining the surplus escape channel to
 prevent scour &c; the stone should be the usual
 ballast procurable.

Repairing bridge with clay and turf,
which should be brought by boat and pulled down by
cables.

3 Rethatching the store shed and out of-
fices with new cadyan, bamboo posts $\frac{1}{2}$, these re-
pairs are necessary at least once a year

4. Watchmen are provided for 3 months, only during the monsoons, who will be required to make any slight repairs, which may be frequently required at this place.

5 One watchman for 9 months is very necessary to prevent damage being done to the dam and to take care of stores &c.

Cochran Range office
Cochran 9th March 1896
Munro
Sgt. J. L. Engineer

estimate for execution
of the contract for
maintaining the
Craig Village Home
at Washin during
1876-77

July 21/2
Box 2

dated 13th / Nov 1976

PA 1876 Debt
from
the City of Rochester
to the City of New York
the Secretary to Govt
N. S. W.
Hudson

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PA 1915/6
2.

[illegible]

Estimate of the probable cost of maintaining the Cruz Morape Dam during the year 1876-77 in Cochise Range of Maricopa District.

Measurement	Contract	Description of Work	Rate	Amount Total	Remarks
250 45 1/2	Supl kull	5625 Lft or 208 1/2 bags of ballast stones for the bed of the new channel	1 80 Cys	312 80	✓
		Labor for putting them	" 60 do	78 20	✓
546 10	"	Total Lft or 606 1/2 Cys of tramping with clay and grass	" 200 Cys	75 13 1/4	✓
104 17	"	Total Lft of thatching the stave room	" 100 Cys	17 10 11	
		do of repairing bamboo	" 100 Cys	17 10 9	
144 6	"	mat fencing to do	" 120 do	6 10 2	
		Canceled over		490 12 3	

P 17/19/576
+

City Water Engine
along to the
deputy to Port
H. O. M., Chads
Ch. of road
1976

Estimate for
maintaining the
bury. Widgeon Sam
at Black in during
1876.77.

Re 705-.-

J. S.

FORMER CASES

Current No

of 187

"
"
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M. WORE FORM No 3

Current No

1915

From

St. Sup. Illalabar

No

Dated

Recd.

212 } March 1976
13 }
16 }

Ch. Sup. No. 654 d/b. 4-76

Subject -

Submits for
Sanction an Estimate
and Specification for
maintaining the Cruz
Illalabar Dam at Gohin
during 1876/77.

ENCLOSURES

2. V

From

to

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Orders and Proceedings in file.

Depart- ment.	No	Date	ENDORSEMENTS.		
			Depart- ment	No.	Dated.
P. 72	1075	26/4/76			
"	174	25-6-			
"	175	25-6-			
"	176	25-6-			
"	177	25-6-			
"	178	25-6-			
"	179	25-6-			
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"	196	25-6-			
"	197	25-6-			
"	198	25-6-			
"	199	25-6-			
"	200	25-6-			

No 654 dated 6 April 76

Memo.

The Mr. Sup. must again be
presented the estimate for the
in the first of the series
to explain the cost of
maintaining the Cruz Illalabar Dam.
The board has decided
on the 18th of May 1876, he
G.O. No. 1315 of 18th May 1876, he
disapproved the necessity of the
work for which an S.P. of 1885
had been submitted - and
that order, while refusing an
increase in the S.P. of 1885 on
maintenance in 1876-77, calls
attention to the improper con-
duct of the establishment
and that it had been proposed to
submit an estimate in 1876-77
of Rs. 1000 and in G.O. No. 1714
of 25th June 1876, No. 2497 of
24th Aug. 1876, more than 2-1/2
times the maintenance in
1876-77 - and in the process
of 1876-77 - and in the latter order
the Mr. Sup. again protested
against the excessive price
submitted for the proposed
work.

LATER CASES

Current No

of 187

"
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"

No 165-166

Lib-4-76

more than sufficed for maintenance in 1875.
And in the memo recorded with the letter to the
Chief Engineer again protested against
the excessive petty establishment expenses.
4. In memo recorded with the 330 of 24
March 1875, he had again occasion to cut
down the maintenance estimates for 1876
from Rs 1000 to Rs 800. Out of which
even the District Engineer reports only
Rs 270 have been spent up to 24th June 1875,
no further expenditure anticipated,
and a balance of Rs 60 worth of materials
on hand. And in his letter recorded
with the 340 of 6 Dec 75, he stated
that no more protective works would
be required. In his Assistant's letter
recorded with the same order it is stated
that a watchman on Rs 6 a month
is all that will be required hereafter.
5. The Chief Engineer considers therefore
that it will suffice to place a watchman

at the disposal of the District
Engineer to provide for the pay of a watchman,
the repair of the stone shed 7800,
and employment of labor on occasions
of high tides combined with westerly
gales, or heavy freshes in the River,
when the crests of the Dam and of the
beach that has formed in front of it
must require the maintenance and
strengthening.

Respectfully,
Your obedient servant
Major Paul R. E.
District Engineer S. P. B.

Mr. Walker
14 April 1876

For District Engineer
in absentia

No 939

Public Works Department

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 10th April 1876

Read the following.—

Ch Engrs Enns No 654
36-4-76

From,
Lieut. Col. Engrs. (H.E. No. 212 of 13 March
Malabar 1876.)

A maintenance
allotment of Rs 500
will be made from
the Provincial Reserve,
on account of the
Kudymilagne Dam.

J.M.W.

No 165-C

Ch Engrs Enns
No 654

No 165-C

Decd 26/4/76
This order was reported & decd 18/7/76

1918

JOHN T. HENRY

IN THE

Re R. E. Kalish

10th April 1918 939

10.1.18 - 100

Any Milage from, India

our Brit - In 1800.

Some of the 500 made

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Revenue for the maintenance

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Ant. in 1848-
27-4-18