

9894
Public Works (1896) Department.

G.O., No. 3393. w.

DATED 27. Nov 1896.

11/12/96

[Despatch Abstract.]

Road: Estimate of Rs. 1200 for restoring
the Alathur Branch — near Chunnampett
in the Chingleput Division sanctioned for
execution when funds are available.

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T.C. 27/11

[1896-97-98]

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BUILDINGS AND ROADS.
CIVIL WORKS.

Government { 1896 } of Madras.
PUBLIC WORKS.

Recd.

Enclosures

Regd.

1896.

Spare copies

G.O., No. 3393 W., 27th November 1896.

NOVEMBER.

Road

Estimate of Rs. 12,060 for restoring the Alathur branch — near Chunampet, in the Chingleput division, sanctioned for execution when funds are available.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

G.O., Mis. No. 4213, Revenue, dated 27th October 1896.

Read—the following Proceedings of the Board of Revenue (Separate Revenue), Mis. No. 4224, dated 12th October 1896:—

Read—again Proceedings of the Board of Revenue (Separate Revenue), Mis. No. 3807, dated 9th September 1896.

ABSTRACT.—Submitting to Government letter from the President, District Board, Chingleput, requesting to move Government to reconsider its order regarding the repair of the Alathur road near the Chunampet factory.

Read—also G.O., Mis. No. 3842, Revenue, dated 26th September 1896.

Read—Proceedings of the Board of Revenue (Separate Revenue), Mis. Nos. 3807 and 3857, dated 9th and 14th September 1896, respectively.

Order—Mis. No. 3842, Revenue, dated 26th September 1896.

In the circumstances now reported the Government is pleased to sanction a contribution of Rs. 6,030 being half the estimated cost of repairing the Alathur road. The Board of Revenue is requested to make the necessary provision in its budget estimate of charges for the ensuing year.

2. If the work should be carried out by the Public Works Department, a revised list of works to be executed by the department during 1897-98 should be submitted in supersession of Board's Proceedings, No. 3857, dated the 14th September 1896.

(True Extract.)

(Signed) F. J. WILSON,
for Ag. Secretary to Government.

Resolution—Mis. No. 4224, dated 12th October 1896.

Communicated to the Presidents of the District Boards, Chingleput and South Arcot, Superintending Engineer, V Circle, and the Deputy Commissioner, Central Division, for information. If funds are available, the District Boards may arrange with the Superintending Engineer to have the works started in the current official year and to make payments out of their contributions.

2. As for the Government share of Rs. 6,030, which will be spent in 1897-98, a revised schedule in lieu of that already submitted to Government with Board's Proceedings, Mis. No. 3857, dated 14th September 1896, will now be forwarded.

3. The Board begs that the estimates already submitted with Board's Proceedings, Mis. No. 4895, dated 18th November 1895, may be returned sanctioned to the Superintending Engineer to enable that officer to make the necessary arrangements for starting the work immediately after the rains.

(True Copy and Extract.)

(Signed) EDMUND MILLETT,
Assistant Secretary.

ENCLOSURE.

List of Salt works to be executed by the Public Works Department in the year 1897-98.

Head of classification.	Executive division.	Locality.	Item number.	Project and works.	Amount of estimate.	Outlay.		Grant, 1897-98.		Remarks.
						Actuals to the end of 1895-96.	Probable during 1896-97.	Amount.	Total of each head.	
Salt.	Chingleput.	Chunampet.	I	Restoring the cross road connecting the Chunampet-Madurantakam road with the Merkanam-Tindivanam road.	Rs. 12,060	..	..	Rs. 6,030	Rs. 6,030	..
										The balance Rs. 6,030 has been promised to be contributed by the
										Rs.
										District Board, Chingleput .. 2,687
										District Board, South Arcot .. 2,000
										Zamindar of Chunampet .. 1,343
										Total .. 6,030

Order—Mis. No. 4213, Revenue, dated 27th October 1896.

The revised estimate for the repair of the Alathur road submitted by the Board with its Proceedings, No. 4895, dated 18th November 1895, is approved and transferred to the Public Works Department, together with the list of salt works to be executed by that department in 1897-98.

(True Extract.)

(Signed) G. STOKES,
Ag. Secretary to Government.

ORDER—No. 3393 W., dated 27th November 1896.

The estimate, amounting to Rs. 12,060, for restoring the Alathur branch road near Chunampet, in the Chingleput division, is sanctioned for execution when funds are available.

2. This sanction has been registered as Imperial No. 5 W. of 1896-97, and classified as Communications—Original Works.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, V Circle, with eleven enclosures.
" Examiner, Public Works Accounts.
" Revenue Department.
" Local and Municipal Department.

HL
A
 Estimate for restoring Alattur
 Branch Road near Chinnampet,
 Chingleput Dt
 No 3393. W d 27 November 1906.
 PUBLIC WORKS DEPARTMENT.
 PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following
 P. H. J. Waller
 Secy. to Govt.

Proceedings of Government in the Revenue Dept. No 42138/27000/1
Printed

The estimate amounting to
 Rs 12060 for ^{restoring} restoring the Alattur
 Branch Road near Chinnampet
 in the Chingleput Division, is
 sanctioned for execution when
 funds are available.

A 94
 28-11-96

2. This sanction has been
 registered as Imperial No 57
 of 1896-97, and classified as
 Communications Original
 Works.

The Secy to Govt. Local & General
 Dept. for favour of comm.
 facilities.

20/11/96
W. H. J. Waller

To,
 The S. & V. Circle with Encls.
 " Examiner P. W. Accounts
 " Revenue Department
 " L. and M. Department.

[P. W. 40]

T. H. B. G. M. S.
prop.

2393W

Public Works Department.

Current No. 9899
Letter No. 4213 Misc.
Dated 27 October 1896
From the Revenue Department.

NOTE BY TECHNICAL SECTION.

Name of work Restoring Alakur
Branch Road near Chunampitt.

Amount of Estimate Rs. 12,060
Budget grant - Nil

This Road, which is 4 M. 3 F. in length connects the Indianum-Merkanum Road with the Sunampitt-Madurantakam Road leaving the former at 16 M. 3 F. it joins the latter at 20 M. 6 F. of the total length of the Road 2 M. 4 F. is in the Chinglepud District, and the balance 1 M. 6 F. in the South Arcot District.

The Road was seriously damaged in the cyclone of 1884 and has been practically impassable since. The Board of Revenue in its Proceedings No 4285 M dated 15-11-92 asked the S.E. I Brice to depute an Officer to prepare an Estimate for putting

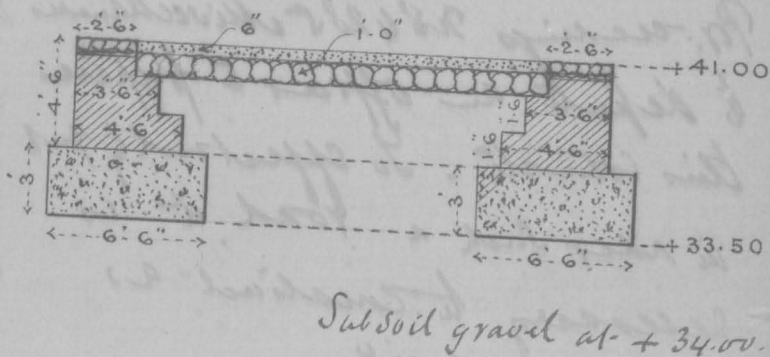
it in thorough Repair. In accordance with this request the accompanying Estimate was prepared and Submitted

General Provisions of the Estimate

Roadway to be made up to 18 ft. top width. of which 12 ft. to be gravelled to a depth of 6 inches. In embankment Side slopes to be 1 1/2 to 1 & turfed. - All existing Culverts to be repaired. 1 new Road Dam 80 ft in length to be constructed and one existing Road Dam to be lengthened by 53 ft. A new causeway 310 ft long of section as per margin is provided. Roadway over Road dams to be metalled with 9" stone broken to a 2" ring for a width of 18 ft. Roadway over Causeway to be similarly metalled for a breadth of 18 feet.

The Estimate amount is thus made up of the following Items:-

	Rs.
Earthwork & Turfing -	1862
Gravelling	2497
Metalling	189
Repairs to Culverts	692
Road Dams	371
New Causeway	5356
Repairing Road Dam	150
Compensation for Land	300
Supervision & Contingencies	643
<u>Total</u>	



The total Rs 12060 for 4 M. 3 F. represents an outlay of Rs 2756 per mile.

Of the Items tabulated above Nos: 5 and 6, aggregating Rs 5727 or, with the due proportion of Petty Supervision and Contingencies added,

rather more than half the total amount of the Estimate, are entirely new provisions and should not have appeared in a Repair Estimate.

Item 5 provides for a new Road Dam at 18 M. 3 F. and for extending an existing Road Dam at 18 M. 6 F.

Item 6 provides for a new Causeway 310 ft long at 20 M. 4 F.

Drainage. The Arrangements proposed for the disposal of the cross drainage appear to be sufficient but sufficient information is not afforded, to admit of their being properly checked. Starting from the Tindivanam Road, the proposals are as follows:

~~From 17 M. 3 F. to 17 M. 5 F.~~

For the 1 1/2 mile from 16 M. 3 F. to 17 M. 3 F. the only drainage that crosses the road is from basins of .01 and .025 Sq. miles respectively. To pass this there are in existence

This does not seem to be merely a repair estimate. It is an estimate for 'Effectually putting in order', and the Superintending Engineer was asked in the Revenue Board's Proceedings No 4285 Miscellaneous to depute an officer to prepare this estimate. To effectually put in order such a road it is necessary to construct as well as repair.

No work shown in all cases.

2 Culverts Single vent 3 ft span.

Said to be capable of discharging 70 cub. ft. per second. As the total quantity of water to be disposed of from the combined basins amounts only to 11.5 cfs. (see margin) this is more than sufficient.

From 17M. 3F. to 17M. 6 $\frac{3}{4}$ F. the road runs on embankment across wet cultivation and is affected by drainage from a basin of $\frac{3}{4}$ sq. mile. The flood discharge to be disposed of = 413 cfs. (margin). To pass this drainage there are 6 culverts as under:-

- §. 3. Single vent. 1'6" span.
- 1 two vent. 1'6" "
- 1 single vent. 4'6" "
- 1 two vent. 4'6" "

These are reported to be capable of discharging 480 cfs. but sufficient details are not given to admit of this statement being verified.

At 17M. 7F. and in the 15th furlong 19th M. (18M. 1F.) the road crosses 2 branches of Ongoor River. by means of Road dams one is reported in good order, and provision is made for repairing the other.

From the Ongoor River 18M. 1F. to 18M. 4F. only 1 culvert 1'6" span. exists to pass the drainage of 0.2 sq. miles = 171 cfs. The provision is considered inadequate, and it is proposed to augment by constructing a road dam 80 ft long.

$$\begin{aligned}\text{Coefficient for District} &= 500 \\ \log 500 &= 2.6989700 \\ \frac{2}{3} \log .035 &= \underline{2.3627120} \\ \log CM^{\frac{2}{3}} &= 1.0616820 \\ \text{Discharge} &= 11.5 \text{ cfs.}\end{aligned}$$

$$\begin{aligned}\log 500 &= 2.6989700 \\ \frac{2}{3} \log .75 &= \underline{1.9167075} \\ \log CM^{\frac{2}{3}} &= 2.6156775 \\ D &= 413 \text{ cfs.}\end{aligned}$$

$$\begin{aligned}\log 500 &= 2.6989700 \\ \frac{2}{3} \log .2 &= \underline{7.5340266} \\ \log CM^{\frac{2}{3}} &= 2.2329966 \\ D &= 171 \text{ cfs.}\end{aligned}$$

Next section treated in the report is from 18M. 4F to 19M. no details of cross drainage are given. A road dam 90 ft long is in existence, at the N. end of the dam the road is reported to have been breached for a length of 50 ft, and provision is made in the Estimate for extending the Road dam 53 feet.

From 19M. to 20M. 1F. the generally fall of the country is parallel to the axis of the Road. and the existing culvert 1 span long is reported sufficient to dispose of cross drainage.

At 20M. 5F. the drainage from about 18.5 sq. miles crosses the road. Drainage to be disposed = 3500 cfs. very nearly. A culvert of 3 vents each 6 ft span. exists to pass this drainage. This culvert was found totally inadequate and the Road was breached to a length of 390 ft. The culvert left standing in the centre of the stream. Provision is made for constructing a causeway of section as noted above 310 ft long. The existing culvert which is in fair order to be utilized + 3 additional vents opened on each side of it so that drainage may pass through the vents in ordinary freshes

$$\begin{aligned}\log 500 &= 2.6989700 \\ \frac{2}{3} \log 18.5 &= \underline{0.8447811} \\ \log CM^{\frac{2}{3}} &= 3.5437511 \\ D &= 3497 \text{ cfs.}\end{aligned}$$

And over the Causeway in heavy
floods.

The Estimate has been
Countersigned by the Asst. Secretary
Revenue Board, and approved
in the Revenue Dept.

Rates are four.

J.W.L.

12.11.96

W.

Hydraulic details are
not as complete as they should
be: but the estimate, which is
in fair order, may, perhaps,
to save delay, be sanctioned
without further reference.

Cat 828

16.11.96.

Sanctioned

16/11/96

Public Works (1896) Department.

CURRENT No. 9899

85

Order

From The Revenue Dept

No. 4213hus

Dated 27th Oct '96

Received 3.11.96

Enclosures 13 (5 plans)

Spare copies

SUBJECT.

Alathur Road.

Approving and transferring to
the Public Works Department the re-
vised estimate submitted by the
Board of Revenue for the repair of
the -----.

J. Gov. Secretary

Cat 828
5/11/96
m

Dated 12th October 1896

Revenue Department
Proceedings of the Madras Government

Order Thomson No 3842 Mss, dated the 26th September 1896

2. If the work should be carried out by the Public Works Department, a revised list of works to be executed by the Department during 1897-98 should be submitted in supersession of Board Proceedings No 38-57, dated the 74th September 1896

(201) F. J. Wilson
for of Secretary to Government

2 As for the Government share of Rs 6030 which will be spent in 1897-98 a revised schedule in lieu of that already submitted to Government with Board's Proceedings No 5857 dated 14th September 1896 will now be forwarded.

1896

Board of Revenue
(Separate Revenue)
Mudum.

3. The Board says that the
Estimates already submitted with
Boards Proceedings No. 4895
dated 18th November 1895 may be
returned sanctioned to the Super-
intending Engineer to enable
that officer to make the necessary
arrangements for starting the
work immediately after the rains
(True copy and extract)

James Smith
Assistant Secretary

To
The Secretary to Government,
Revenue Department

" Public Works Department
with a statement
The President District Board
Chingapur and South Arcot
Superintending Engineer V. V. V.
Deputy Commissioner Central
Division
Assistant Commissioner
Chingapur Sub-Division

13/11/96

025.2
9899/56

Proceedings No. 4224
Dated 12th October 1896
Subject
Communicating to the President
of the District Board Chingapur
and South Arcot, Superintending
Engineer V. V. V. and the Deputy
Commissioner, Central Division
sanctioning the grant of a
contribution of Rs 6030 for the
repair of the Mather road
near the Chumampet factory
and submitting to Government
a revised list showing the salt
works proposed for entry in the
Public Works Department budget
(General) for 1897-98.

Cost of Salt works to be executed by the P.W.D. in the year 1897-98

Head of Expenditure Classification Division	Locality	Item No.	Project and work	Amount of Estimate	Outlay		Grant 1897-98	Total of each head	Item No.	Remarks
					Actual to the end of 1895-96	Probable during 1896-97				
Salt	Chingapur	I	Restoring the cross road	Rs	Rs	Rs	Rs			The balance Rs 6030,
			Connecting the Chumampet							has been promised
			Madrachakam road							to be contributed by the
			with the Mather road	12060			6030	6030		District Board Chingapur
			Indivaram road							" South Arcot - 2687
										Remainder of 2000
										Chumampet - 1343
										Total 6030

1896
REVENUE DEPARTMENT
Enclosure No. 1
To Current No. 1344

Commence

Associated Secretary

2/12/96

Revenue Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

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#P
READ Proceedings of the Board of Revenue, Separate Revenue, Mis. No. 4224 dated 12th October 1896.

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ORDER thereon, No. 4213 Mis., d/ 27th Octr. 1896.

The revised estimate for the repair of the Alathur Road submitted by the Board with its Proceedings No. 4895 dated 18th November 1895 is approved and transferred to the Public Works Department, together with the list of salt works to be executed by that Department in 1897 - 98.

(True Extract)

[Signature]
Ag. Secretary to Government.

To the Public Works Department with plans, ~~and~~ estimate &c.
" Board of Revenue, Separate Revenue.

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5899/96

Rs