

(1) Number of pages 2 sheets (4 Pages)
(2) Date of repair 4-4-84
(3) Initials of the Referencer BZ

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue

DEPARTMENT

G.O. No.	2967	Press.
B.P. No.		Mis.
Dated	5-12-1978	197

Not to be folded or roughly handled

Archives I-5,806-24-2-78.

295
33

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

19th November 1878, No. 4,392 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 208. From Captain R. R. E. BROCKMAN, R.E., District Engineer, Tanjore, to the Chief Engineer, Public Works Department, Buildings and Roads, dated Tanjore, 8th November 1878, No. 2,658.

With reference to item No. 73 in the schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1878-79 under "salt" attached to G.O., of the 1st October 1877, No. 824 W, I have the honor to forward, for the sanction of Government, the

enclosed plans, specification report, and estimate, amounting to Rupees 8,700, for constructing an iron girder bridge over the extension of Vedarniem Canal on road No. 36.

2. In the aggregate amount of Rupees 30,300, sanctioned in G.O., No. 176, dated 21st July 1874, provision was made for the above bridge to the extent of Rupees 6,950; certain alterations appear to have been suggested in the masonry design by Colonel Roberts, the late Superintending Engineer, and approved by the then Chief Engineer in his memorandum No. 858, dated 4th November 1874.

3. Considering the extent to which the masonry bridges on and near the canal have suffered from climatic influence and with a view to longer durability, I approve of Lieutenant Romilly's suggestion of providing an iron girder bridge in lieu of the masonry one.

4. The accompanying report of Lieutenant Romilly forwarding plans, &c., for the above bridge gives in detail the other facilities in providing an iron bridge in the room of a masonry one. The plans, &c., have been countersigned by the Salt Commissioner in token of his approval, though he takes objection that such a large sum should be debited to his department whilst the advantages derived from the bridge by his department is believed by him to be comparatively small; but the large amount proposed to be spent on this girder bridge will compensate in a measure for the constant repairs that will have to be carried out if a masonry bridge were to be constructed, owing to its frequent wear on account of the damage done by the salt barges and by other boats to its haunches as the waterway would be in the case of a masonry bridge. A copy of the Salt Commissioner's letter deprecating such an outlay is herewith forwarded as requested by him for your perusal.

5. Though the estimate amount of this girder bridge is in excess of the original amount of Rupees 7,500, sanctioned by the Chief Engineer in the memorandum above quoted for a masonry bridge, yet the excess is solely due to the brick-work rate of 3 Annas allowed in this estimate, which cannot be avoided taking the locality, remote as it is, into consideration.

6. Under these circumstances I request that you will be so good as to move Government to accord their early sanction for the plans, &c., so that the work may be set in hand after the North-east monsoon is over, as a sum of Rupees 2,000 has been provided for this work in the Imperial Fund Budget for 1879-80.

From H. W. BLISS, Esq., Commissioner of Salt Revenue, to the Officiating District Engineer, Tanjore, dated Negapatam, 1st November 1878, No. 1,536.

I HAVE the honor to return herewith the enclosures to your letter No. 2,444, dated 14th October 1878, countersigned.

2. I have countersigned them because I presume from the entry of the bridge in the budget of the current year, which you inform me has been made, that the project of building this bridge has received the approval of Government. It appears to me, however, that to throw on salt funds the whole of the expense of building the bridge is hardly justifiable. I am also most doubtful whether it is justifiable to expend so large a sum as Rupees 8,700 from any funds on such a bridge, the road being one which, so far as I know, leads only to one small salt platform at Vedarniem and to the Collector's bungalow and to a small native village at Point Caliniere, for convenient access to which across the canal it seems to me that very much more economical arrangements might easily be made. The Vedarniem Salt Division must be a dead loss as it is; I deprecate, therefore, the expenditure of any money on it which can be saved.

3. I request that when sending the estimates up to Government you will send this letter also.

From Lieutenant F. J. ROMILLY, R.E., Assistant Engineer, to the District Engineer, Tanjore, dated Nivalore, 28th September 1878, No. 363.

I HAVE the honor to forward a plan for a plate girder bridge to be built across the extension of the Vedarniem canal where it is crossed by the old road 36 from Vedarniem to Kodiarai, as requested in your memorandum No. 2,109, dated 13th September 1878.

2. I asked permission to design a girder bridge in place of one wholly of masonry, as I think it is necessary to give more headway than can be given by an arch without raising the roadway considerably. The existing masonry bridges on the canal, except the one at Karungunny on road No. 26, which is very high, got much damaged about the haunches by boats. The girders can be got down by sea from Madras via Thoppetorai up to the site of the proposed bridge. The original bridge designed by Mr. Leggatt, a single arch of 30 feet span, was estimated to cost Rupees 7,570. The present one comes to Rupees 8,800, supposing the rate for brickwork to be 2½ Annas as allowed in the former estimate, but, as a rate of 3 Annas is allowed on account of the locality, the actual estimated cost is greater.

3. No flooring has been provided as it is thought unnecessary there being scarcely any current. A site sketch has not been forwarded, as the position of the bridge is already fixed by the existing road.

4. If this design is approved, I have the honor to suggest that a similar one may be adopted for carrying the proposed road 36 across the canal at Velangunny, for which I expect shortly to submit plans and estimates.

No. 209. ORDER THEREON, 19th November 1878, No. 4,392 W.

THE Government decline to sanction an estimate of Rupees 8,700 for a bridge giving access only to a small salt platform and a little native village, arrangements for approaching which can be made at far less cost.

(True Extract.)

To the Superintending Engineer, Fifth Circle,
Revenue Department.

Ed. E. C. Shunker.

10 Spare Copies

Colonel, R.E.
Secretary to Govt. P.W.D.

2967
2

Revenue Department
No 5343.
IRRIGATION.
ACCOUNT.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FIFTH CIRCLE,
&c., &c., &c.

Dated November 25th.

Issued

Recd. 4th December 1878.

G. O., 25th November 1878, No. 966 I.

See file

NOVEMBER.

Nos. 128-129.

No 2967

Communicated to
the Board of Revenue

5th Dec 78.

Lutchmipallem Lock, Godavari.—Examiner
authorised to pass the excess expenditure
on account of compensation for land for —.

in File Board of Revenue and B. & C. Board