

Public Works (1896) Department.

G.O., No. 113567

DATED 31-3-96

[Despatch Abstract.]

Bridge: Estimate of Rs 26,700 for
Constructing a girder — over the
Oppanar at Cuddalore, Sanctioned.

BACK PAPERS.

FURTHER PAPERS.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1896} Madras.
PUBLIC WORKS.

Dated March, 31st.

Recd.

Encl.

G.O. No. 1135 W., 31st Mar. 1896.

MARCH.

Bridge

Estimate of Rs. 26,700 for constructing a girder — over the Oopandar at Cuddalore, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O. No. 438 L., dated 9th March 1896.

Read—the following letter from the President, District Board, South Arcot, dated 8th February 1896, Ref. on C. Regr. No. 139 D.B. :—

With reference to paragraph 3 of G.O. No. 310 M., dated 6th March 1893, I have the honour to submit, herewith, a copy of the District Board's Resolution No. 1 (5), dated 7th December 1895, and to state as follows.

2. With reference to the above Government Order, the Chairman of the Cuddalore Municipal Council addressed the District Board in May 1893 requesting it to contribute towards the cost (then estimated at Rs. 16,600) of the Oopandar bridge on the road leading to Cuddalore Old Town. The Chairman's letter was, in the first instance, forwarded to the District Board Engineer for his opinion as to whether the plan and estimate met with his approval. In reply he stated that the design was in all respects suitable, but that the work would cost a good deal more than the estimate. A copy of his letter was communicated to the Chairman informing him that it would be advisable to obtain the advice of the Executive Engineer on the subject with reference to the remarks of the District Board Engineer, and asking for his opinion as to whether the work had not better be carried out as a Local Fund work to which the Municipality contributed. The estimate was subsequently sent up to the Superintending Engineer, V Circle, who raised the amount to Rs. 26,700. The revised estimate was laid before the Municipal Council on 29th August 1893, when it resolved to contribute one-third of the estimated cost. On 30th September 1893 the matter came up before the District Board. The District Board declined to pay two-thirds of the cost of the work, being of opinion that, if possible, arrangements should be made by the provision of a permanent ferry boat at the spot "to avoid the inconvenience that now happens occasionally for a few days when the temporary bridge is breached." With reference to this resolution the District Board Engineer was requested to state whether, in his opinion, a ferry would meet the requirements of traffic between Cuddalore, Old and New towns. In reply he stated that a ferry would be unsuitable and recommended that a suspension bridge should be erected.

3. A copy of the District Board Engineer's letter was communicated to the Chairman. In consultation with the Municipal Council the Chairman sought the opinion of the Executive Engineer on the subject. That officer stated in reply that, before deciding whether one of Harper's steel rope suspension bridges would suit, it would be advisable to obtain designs and estimates of cheap iron bridges from Messrs. Burn and Co., Calcutta, or any other large Indian firm. Messrs. Burn and Co. were accordingly requested by me to state whether they could supply girders, &c., according to the design approved by the Superintending Engineer and, if so, at what cost. They stated that they were prepared to supply them at a cost of Rs. 3,800. The plan and estimate for the work, as approved by the Superintending Engineer, are herewith submitted for reference.

4. The want of a bridge over the Oopandar causes serious public inconvenience. The Municipal Chairman in his letter, dated 16th January 1896, states that the Municipal Council has provided Rs. 7,000 in its budget for 1896-97 for the work in

No. 1135 W., 31st MARCH 1896.

question, and that Government has been requested to contribute Rs. 10,800 on the same account. Considering the various demands on its funds the District Board is not in a position to pay more than one-third of the estimated cost of the work. Messrs. Burn and Co. promise to supply the iron works within four weeks of date of order, and the District Board Engineer assures me that he will be able to complete the structure before the next monsoon if the work is put in hands without delay. I therefore request that Government will be pleased to make a contribution of Rs. 10,800 towards this important work as requested by the Municipal Chairman in his budget covering letter for 1896-97 and to sanction the immediate execution of the work as a *Local Fund work* under the immediate supervision of the District Board Engineer. Arrangements will be made by the Municipal Council of Cuddalore and the District Board for the upkeep of the bridge after its construction. As this work is one of pressing necessity the favour of very early orders is solicited, so that the bridge may be an accomplished fact before the next rains set in. The trade of Cuddalore has increased considerably since the passing of the Tariff Act which has depleted much of the Pondicherry trade to this port and I beg therefore to strongly recommend this project to very favourable consideration.

Order—Mis. No. 438 L., dated 9th March 1896.

The plan and estimate will be forwarded to the Public Works Department for scrutiny and approval. Meanwhile, a grant of Rs. 10,800 will be made from Provincial funds from the sum of Rs. 1,25,000 placed at the disposal of this department under G.O. No. 1106, Financial, dated 15th December 1894. The amount should be drawn before the 31st March 1896.

2. The President's letter should have been marked "urgent" on the docket as required in G.O. No. 596 L., dated 1st April 1895.

(True Extract.)

(Signed) W. W. PHILLIPS,
for Chief Secretary.

ORDER—No. 1135 W., dated 31st March 1896.

The estimate, amounting to Rs. 26,700, for constructing a girder bridge over the Oppanar at Cuddalore, is sanctioned.

2. The plan and estimate should be countersigned by the President, District Board, before the work is put in hand.

3. This sanction has been registered as Local No. 21 W. of 1895-96.

(True Extract.)

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

To the Local and Municipal Department, with three enclosures.
,, Superintending Engineer, V Circle.

Encl. T. K. Narayana Aiyangar,
Spare Copies

No. 1135 W. of 31st March 96.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

Order Local & Municipal Dept. H.E. No. 438 L. of 9th March 96.

The estimate amounting to Rs. 26,700 for constructing a girder bridge over the Oppanar at Cuddalore is sanctioned.

2. The plan & estimate should be countersigned by the President District Board before the work is put in hand.

3. This sanction has been registered as Local No. 21 W. of 1895-96.

L. & M. Dept.
with 3 enclosures.

S. V. L. S.

17/3/96
23/3/96

Current No. 2433
Letter No. A386
Dated 9th March 1896
From the Road & Municipal Dept.

NOTE BY TECHNICAL SECTION.

Name of work Constructing a girder bridge
over the Oppanar at Cuddalore.
Amount of Estimate Rs 26,700.

The plan & estimate under review amounting to Rs 26,700 provide for Constructing a girder bridge of 2 spans of 30 feet each, over the Oppanar, on the road leading to Cuddalore old town.

The nature of the surface & sub. soil have not been mentioned.

The foundations are proposed to be built of brick in chumam & the in depth, resting on wells varying in dia. from $10\frac{1}{2}$ to $8\frac{3}{4}$ feet and sunk to a depth of 25 feet, as allowed in the estimate.

The abutments and pier are to be raised 17 feet and built of table moulded brick in chumam & the surface of walls to be pointed with mortar. The floor is to be paved with tabula in chumam between the abutments & pier to a depth of 3 feet with retaining walls in front & rear built over wells.

Print emergent

T.A.
B.C.P.



For the use of the
Public Works Department

W.S.
21.3.96

C.S. 17/3 R 30/3.
H.S. 25/3.

16. iii - 4

No hydraulic details have been submitted as to the sufficiency of the waterway for

The rates are fair.

The plan & estimate have
not been countersigned by the
President Dr. Brand.

Govt. in the L & Co Dept have
transferred the plan & solicited
for sending & approved it in
the meantime ~~made~~ a grant



PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

From the President, District Board, South Arcot,
dated 8th February 1896, Ref: on C. Reg^r No 139/ D.B.

With reference to para: 3 of G.O. Dated 6th
March 1893, N^o 310 In, Local and Municipal, I have
the honour to submit herewith a copy of the Dis-
-trict Board's resolution N^o 1(5) Dated 7th December
1895 and to state as follows:-

2. With reference to the above G.O. the Chairman of the Cuddalore Municipal Council addressed the District Board in May 1893 requesting it to contribute towards the cost (then estimated at Rs 16,600) of the Oopanasar bridge on the road leading to Cuddalore Old Town. The Chairman's letter was in the first instance forwarded to the District Board Engineer for his opinion as to whether the plan and estimate met with his approval. In reply he stated that the design was in

in all respects suitable but that the work would cost a good deal more than the estimate. A copy of his letter was communicated to the Chairman informing him that it would be advisable to obtain the advice of the Executive Engineer on the subject with reference to the remarks of the District Board Engineer and asking for his opinion as to whether the work had not better be carried out as a Local Fund work to which the Municipality contributed. The estimate was subsequently sent up to the Superintending Engineer, V Circle, who raised the amount to Rs 26,700. The revised estimate was laid before the Municipal Council on 29th August 1893 when it resolved to contribute one third of the estimated cost. On 30th September 1893 the matter came up before the District Board. The District Board declined to pay 2/3rds. of the cost of the work, being of opinion that, if possible, arrangements should be made by the provision of a permanent ferry boat at the spot "to avoid the inconvenience that now happens occasionally for a few days when the temporary bridge is breached."

with

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With reference to this resolution the District Board Engineer was requested to state whether in his opinion a ferry would meet the requirements of traffic between Cuddalore, old and new towns. In reply he stated that a ferry would be inevitable and recommended that a suspension bridge should be erected.

3. A copy of the District Board Engineer's letter was communicated to the Chairman. In consultation with the Municipal Council the Chairman sought the opinion of the Executive Engineer on the subject. That officer stated in reply that before deciding whether one of Harpers steel rope suspension bridges would suit, it would be advisable to obtain designs and estimates of cheap iron bridges from Messrs Burn & Co., Calcutta or any other large Indian Firm. Messrs Burn & Co. were accordingly requested by me to state whether they could supply girders &c according to the design approved by the Superintending Engineer and if so, at what cost. They stated that they were prepared to supply them at a cost of

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of Rs 3,800. The plan and estimate for the work as approved by the Superintending Engineer are herewith submitted for reference.

4. The want of a bridge over the Odan-nar causes serious public inconveniences. The Municipal Chairman in his letter dated 10th January 1896 states that the Municipal Council has provided Rs 7,000 in its Budget for 1896-97 for the work in question and that Government has been requested to contribute Rs 10,800 on the same account. Considering the various demands on its funds the District Board is not in a position to pay more than one-third of the estimated cost of the work. Messrs Brown & Co. promise to supply the iron works within 4 weeks of date of order and the District Board Engineer assures me that he will be able to complete the structure before the next monsoon if the work is put in hand without delay. I therefore request that Government will be pleased to make a contribution of Rs 10,800 towards this important work as requested by the Municipal Chairman in his Budget covering letter for 1896-97 and to sanction the immediate execution

Execution of the work as a Local Fund work under the immediate supervision of the District Board Engineer. Arrangements will be made by the Municipal Council of Buddalore and the District Board for the upkeep of the bridge after its construction. As this work is one of pressing necessity the favour of very early orders is solicited so that the bridge may be an accomplished fact before the next rains set in. The trade of Buddalore has increased considerably since the passing of the Tariff Act which has depleted much of the Pondicherry trade to this port and I beg therefore to strongly recommend this project to very favourable consideration.

Order, No. 438 L. H. S., dated 9th March 1896.

The plan and estimate will be forwarded to the Public Works Department for scrutiny and approval. Meanwhile a grant of Rs 10,800 will be made from Provincial Funds from the sum of Rs 1,25,000 placed at the disposal of this Department under G.O. No. 1106, Financial

Financial, dated 15th December 1894. The amount
should be drawn before the 31st March 1895.
42. The President's letter should have been
marked "Urgent" on the docket as required in
P. O. No 596 L. dated 1st April 1895.

(True extract)

W. W. Phillips
Ag. Asst. Secretary,
for Chief Secretary.

To

The Public Works Department, with plan of
works to be executed

" President, District Board, Simsbury, N.Y.

" Accountant-General.

" Financial Department.

7. Govt. of 1896 Madras.

Local and Municipal Department.

P. W. CURRENT 243

Encls 3 (11/11/11)

Order: 10-3-11

2. To The Public Works Department.

Proceedings, dated 9th March 1896,
No. 438 L.

Subject.

Uppanar Bridge.

Forwarding to the Public Works Department for scrutiny and approval the plan and estimate for the construction of the ----- at Cuddalore and making a Grant of Rs. 10,800 from Provincial funds towards the same.

Copy

14.3.11