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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	788	Press
B.P. No.		Mis.
Dated	13-4-	195-

Not to be folded or roughly handled

1d

*Proceedings of the Madras Government, Public Works Department,
13th April 1875.*

No. 273. Read the following endorsement of the Chief Engineer for Irrigation, dated Camp at Thamarapaukam, 2nd April 1875, No. 340:—

From Major J. BEATTY, R.E., District Engineer, Godavery District, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, and Joint Secretary to Government, dated Camp at Peravelli, 24th March 1875, No. 4,020.

I HAVE the honor to submit herewith a revised estimate, accompanied by a comparative statement, for the six punts sanctioned in G. O., No. 1,742, of 29th June 1874.

- 1 Plan.
- 1 Abstract Estimate.
- 1 Detailed and Abstract Estimate.
- 1 Revised Estimate.
- 1 Comparative Statement.
- 1 Report by the Executive Engineer.

2. According to the sanction given by Government each of these boats was to cost Rupees 2,000, and the peculiar circumstances which have led to the

large excess of Rupees 722 on each of them, has been fully explained by the Executive Engineer in charge of the Workshops.

3. In an ordinary case, I may observe, the plan and estimate for a work to be carried out in the Government Workshop would be framed in the Workshop Office, and bear the signature of the Executive Engineer in charge.

4. But in this case the Workshop Officer had no part in the preparation of the design or estimate. The District Engineer obtained a plan and estimate from the Deputy Superintendent, and [submitted a copy of the abstract estimate for the Deputy Superintendent's plan of boat, with a plan for a different style of boat prepared in his own office.

5. The boat originally designed by the Deputy Superintendent was an open boat with iron ribs and wooden sides. In the revised design, as prepared by the District Engineer, a flush deck 3 inches thick was provided, and the thickness of planking to the sides was altered from 1½ to 2 inches. You will observe by the comparative statement that the ironwork remained the same, and the excess was in the woodwork.

6. I send the original papers on which the sanction of Government was obtained. The revised design is a good one, well adapted to the works of the delta, and I recommend that six more of this description should be built in the coming year. The error in the estimate was not suspected until bills for the work done were being made out in the workshop.

From Captain R. R. E. BROCKMAN, R.E., Executive Engineer in charge No. 1 or Eastern Delta Range, Godavery District, to Major J. BEATTY, R.E., District Engineer, Godavery, dated Camp at Chopella, 12th March 1875, No. 607.

I HAVE the honor to bring to your notice the great discrepancy that exists between the sanctioned plan and the sanctioned estimate for constructing the six punts with iron ribs and wooden sides which Government, in their Proceedings and Order, No. 1,742, dated the 29th June 1874, sanctioned to be set in hand, and for

which an allotment for the current year was made for Rupees 12,000.

- 1 Original Plan.
 - 1 Do. Estimate.
 - 1 Revised do.
- } To be returned.

*Proceedings of the Madras Government, Public Works Department,
3th April 1875.*

2. At the request of the late District Engineer, Lieutenant-Colonel J. F. Fischer, R.E., an estimate was framed by the Deputy Superintendent of the Workshops for Rupees 2,000 for constructing a punt upon the dimensions furnished to him by the District Engineer. As soon as this estimate and the plan of the punt from which it was framed was ready, instead of allowing them to be sent up by me in the usual manner, Lieutenant-Colonel Fischer it appears came one morning into the Workshop Office and took them away himself without communicating through me. It will be noticed that the sanctioned estimate does not bear my signature.

3. This estimate, however, was framed strictly according to the original design upon which the plan was drawn. This plan, however, was not returned with the estimate when the latter was sanctioned, but another for a boat of more expensive description.

4. Upon receipt of the sanctioned plan and estimate, inasmuch as the Deputy Superintendent of the Shops saw his signature at the foot of the same, he did not consider it necessary to check its items with the plan which accompanied it, and which he naturally concluded was a fair copy of the original plan prepared by him.

5. He, therefore, gave the plan to the Foreman of the Shops for execution of the work. It was not, however, till the quantity of timber actually used in the punts was measured up and bills were being made out that the excess expenditure became apparent.

6. This excess is due to the fact that, whereas Lieutenant-Colonel Fischer's original design was for an open punt, the revised one, which he appears to have had drawn in his office (without submitting a revised estimate for the same), provides for a flush over-all deck of 3' thickness, and the substitution of 2" side planking for that of 1½ inches.

7. Certainly these alterations tend to make a much more serviceable punt, and one capable of much more wear and tear, inasmuch as it can be used for all descriptions of stone building material, whilst the increase of half an inch in the thickness of the side planking tends for a boat of its length, viz., 72 feet, to make it more rigid, and less liable therefore when being worked to open at the seams. Were the planking of a less thickness, and when the boat is fully laden with, say, 30 tons of material, it would be much strained, and require caulking much more frequently than it would were the planking somewhat thicker.

8. It will be seen that the increased expenditure upon each boat is Rupees 722, or for the six boats Rupees 4,332, which must be provided if the punts are to be built upon the revised design. Three punts have been fully completed, and all the iron ribs and bottoms of the remaining three have been fixed, and the side planking to these is in progress.

9. I have the honor, therefore, to suggest that against the allotment for the current year of Rupees 12,000, the cost of four punts, viz., 10,888, be debited, and the balance of Rupees 1,112 go toward the cost of the other two, which can be completed from funds granted for the purpose next official year.

SUBMITTED to Government with a recommendation that the revised estimate of Rupees 2,722 per punt, or Rupees 16,332 for six punts, be sanctioned in place of that for Rupees 12,000, sanctioned in G. O., 29th June 1874, No. 1,742. The District Engineer shows that his predecessor transmitted for sanction an estimate which did not belong to the design sanctioned, and the difference is due to the absence of deck-planking in that estimate and an increase of hull-planking. The balance of the increased sanction can be met from the allotment for the current year under Tools and Plant, Navigation, Extraordinary.

2. The District Engineer further asks that sanction may be given for the construction of six more punts of this kind during the year now current, but it is thought that it will be advisable to test the new boats, of which three have been fully completed, under the ordinary conditions of loading, grounding, &c., and

*Proceedings of the Madras Government, Public Works Department,
13th April 1875.*

to state their carrying capacity compared with iron boats of the same size. Should the report be favorable the additional six boats may be sanctioned.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 274.

ORDER THEREON, 13th April 1875, No. 988.

IRRIGATION, No. 31.

Account.

UNDER the explanations given in the foregoing papers, the revised estimate of Rupees 16,322 will be substituted for the amount, Rupees 12,000, sanctioned in G. O., 29th June 1874, for the con-

struction of six punts for the Godavery Delta Works.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the District Engineer, Godavery.

„ Chief Engineer for Irrigation.

„ Controller of Public Works Accounts.

Exd. W. J. Lewis.

Spare Copies

No 607

Camp Chopella
Executive Eng^g Office

From,

The Officer in charge No 1 or
Eastern Delta Range
Godavery District.

To,

The District Engineer
Godavery District.

Dated 12th March

Despt^y ..

Received

1875.

Sir,

I have the honor to bring to your notice
the great discrepancy that exists between the
sanctioned plan and the sanctioned estimate
for constructing the six Puntts with iron ribs and
wooden sides which Government in their Proceedings
and order No 1742 dated the 29th June 1874 sanc-
tioned to be set in hand and for which an allot-
ment for the current year was made for Rs 12,000.

At the request of the late District Engineer
Lieutenant Colonel J. F. Fischer R.E. an estimate
was framed by the Deputy Superintendent of the

Workshops for Rs 2,000 for constructing a punt upon the dimensions furnished to him by the District Engineer. As soon as this estimate and the plan of the punt from which it was framed was ready, instead of allowing them to be sent up by me in the usual manner, Lieut Colonel Fischer, it appears, came one morning into the Workshop Office, and took them away himself without communicating through me. It will be noticed that the sanctioned estimate does not bear my signature.

This estimate, however, was framed strictly according to the original design upon which the plan was drawn. This plan however was not returned with the estimate when the latter was sanctioned, but another for a boat of more expensive description.

Upon receipt of the sanctioned plan and estimate, inasmuch as the Deputy Superintendent of the Shops saw his signature at the foot of the same, he did not consider it necessary to check its items with the plan which accompanied it, and which he naturally concluded was a fair copy of the original plan prepared by him.

He therefore gave the plan to the Foreman of the Shops for execution of the work. It was not, however, till the quantity of timber actually used in the punts was measured up and bills were being made out, that the excess expenditure became apparent.

This excess is due to the fact that whereas Lieut Colonel Fischer's original design was for an open punt the revised one, which he appears to have had drawn in his office (without submitting a revised estimate for the same) provides for a flush over-all deck of 3" thickness, and the substitution of 2" side planking for that of 1½ inches.

Certainly these alterations tend to make a much more serviceable punt, and one capable of much more wear and tear; inasmuch as it can be used for all descriptions of stone building material, whilst the increase of half an inch in the thickness of the side planking tends for a boat of its length, viz. 72 feet, to make it more rigid and less liable therefore when being worked to open at the seams. Were the planking of a less thickness, and when the boat is fully laden with, say 30 tons of material, it would be much strained, and require caulking much more frequently than it would were the planking somewhat thicker.

It will be seen that the increased expenditure upon each boat is Rs. 722, or for the six boats Rupees 4,332, which must be provided if the punts are to be built upon the revised design. Three punts have been fully completed and all the iron ribs and bottoms of the remaining three have been fixed, and the side planking to these is in progress.

I have the honor therefore to suggest that against the allotment for the current year of Rupees 12,000, the cost of four punts viz, 10,888 be debited, and the balance of Rupees 1,112 go toward the cost of the other two, which can be completed from funds granted for the purpose next off year.

I have the honor to be very
Yr. R. R. Brochman Capt. R. E.

Executive Engineer.

(True Copy)

Major R. E.
District Engineer Godavery.

No. 340

99

Submitted to Government with a recommendation that the revised estimate of Rupees 2,722 per punt, or Rupees 16,332 for 6 punts be sanctioned in place of that for Rupees 12,000 sanctioned in G. O. 29th June 1874 No. 1742.

The District Engineer shows that his predecessor transmitted for sanction an estimate which did not belong to the design sanctioned, and the difference is due to the absence of deck-planking in that estimate and an increase of hull planking. The balance of the increased sanction can be met from the allotment for the current year under Tools and Plant, Navigation, Extraordinary.

2 The District Engineer further
asked

enc. 7.

Rs. 1,596/50

Mr. 22/79/55

6
11d

asks that sanction may be given for the construction of 6 more punts of this kind during the year now current, but it is thought that it will be advisable to test the new boats, of which 3 have been fully completed, under the ordinary conditions of loading, grounding &c. and to state their carrying capacity compared with iron boats of the same size. Should the report be favourable the additional 6 boats may be sanctioned.

Camp at
Thannurapaham
2^d April 1875

W. W. D. Lient. Col. R.E.

Chief Engineer for Irrigation.

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

R. No. 1845 Sept
No. 22/9.

From
Chief Engineer
for Irrigation.

Dated. 2nd April 1875
Recd. 8th April.

2-6-1875
No 340 In 7.
Submitting a revised
estimate from the Dist
Engineer Godavery for six
punts sanctioned in
G.O. No. 1742 of 29th June
1874.

G.O. No. 988. 13. 4. 75

N 273

C-9-4-75 R 12-4-75

Public Works Dept
130 Recd
Proceedings of the Madras Government.
Under date the 1875.

Read the following:-

From
The Chief Engineer
for Irrigation } No. 340 of 2nd April 1875.
G.O. No. 988 of 13th April 1875.

Under the explanations
given in the foregoing
papers, the revised estimate
of Rupees 16,322 will be
substituted for the amount
Rupees 12,000 sanctioned
in G.O. 29th June 1874 for
the construction of 6 Punts
for the Godavery Delta
works.

To
The Dist. Engr. Godavery ✓
" Chief Engr. for Irrigation ✓
" Controller of P.W. Accounts ✓
G.M.W.

Dispd - 20-4-75.

2279

Govt. of Madras.

PUBLIC WORKS.

To
Sd/- Engineer
Pondicherry -

Date

Recd.

Encl

G. O. 13 April 1875, No.

988

No. 273/4.

Plans for the Sadanery
Delta Works. Revised
Estimate of Rs 16322 for the
Construction of —, sanctioned.

273/4

20-9-75