ogether with the plan

13-1-23 ✓
28-5-24 B III ✓

Public Works (1897) Department.

G.O., No. 301 J

DATED 22 march 1897.

[Despatch Abstract.]

Staff boats: Estimate of Rs. 3,420 for constructing three second class — for the Godavari Eastern Dn, sanctioned with remarks.

100/4

P.W. 36. [illegible]—30-11-96.

Indexed. 23/3/97

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	538	I	25-6-96				

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.
PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. *Spare copies*

G.O., No. 301 I., 22nd March 1897.

MARCH.

Staff Boats

Estimate of Rs. 3,420 for constructing three second-class — for the Gódávari Eastern division, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers:—

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Camp, Samalkot, 26th August 1896, No. 1028/G.D.

Referring to G.O., No. 538 I., of 25th June 1896, I have the honour to state that in my opinion, if boats are to be built, the type now sanctioned for the II Circle will not be found economical in the long run.

2. It is proposed to build them in the Buckingham Canal basin at Rs. 745 per boat. No doubt they will answer very well for a time, but, I am acquainted with that type of boat and it cannot compare in strength, durability, or finish with those built in the Dowlaishweram or Bezwada Workshops. Consequently I consider that if boats are to be built, they should be of the usual Gódávari second-class type at Rs. 1,135.

3. But I very much question the necessity for building a great number of them. Whether men performing the duties of Delta Superintendents belong to the conservancy staff or are styled upper or lower subordinates, is immaterial. So long as they are natives, they will much prefer putting up in any village, to living in a boat, incurring the cost of its maintenance, while for ordinary purposes of locomotion, a light nava or dinghy with a mat roof will answer every requirement.

4. Of course, when European or Eurasian subordinates are in question, the case is quite different.

Memo. No. I. 91/G.D.

The undersigned has the honour to acknowledge the receipt of letter No. 1028-G.D., dated 26th August 1896, from the Superintending Engineer, I Circle. In his letter No. 417/G.D. of the 30th May last, the Superintending Engineer intimated that some staff boats were much wanted in the Gódávari delta and his estimate awaited and alluded to in G.O., No. 538 I., dated 25th June 1896 (paragraph 4), should provide for such boats and of such a type as the Superintending Engineer considers suitable for the requirements of the Gódávari delta. If, however, the Superintending Engineer is now of opinion that no boats are required, of course no estimate for them is required.

11th September 1896.

(Signed) F. J. WILSON,
Under Secretary to Government.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Camp, Dowlaishweram, 13th November 1896, No. 1681/G.D.

With reference to your Memo. No. I. 91/G.D., dated 11th September 1896, I have the honour to forward, herewith, plan and estimate amounting to Rs. 3,420 for constructing three second-class staff boats for the use of subordinates employed in the Gódávari Central and Eastern divisions for your approval and sanction.

Enclosure.

Report to accompany the estimate for constructing three second-class staff boats for the use of Subordinates in the Gódávari Central and Eastern divisions.

RS.
Amount of estimate 3,420

The estimate was called for in paragraph 4 of G.O., No. 538 I., dated 25th June 1896. In framing the estimate the type which is usually adopted in the Workshops at Dowlaishweram has been adhered to because it is considered to be more durable than the one built in the Buckingham Canal basin.

An early sanction to the estimate is solicited as the boats are urgently required for the use of overseers employed in the Gódávari Central and Eastern delta sections.

Memo. No. I. 130/G.D.

With reference to letter No. 1681/G.D., dated 13th November 1896, from the Superintending Engineer, I Circle, the undersigned has the honour to request that he will be so good as to report, at an early date, if the plan and estimate for a second-class staff boat can be revised so as to reduce its cost, and, if so, to submit revised plan and estimate for the same. It is observed that the cost of staff boats sanctioned for the Kistna delta in Proceedings of Madras Government, No. 538 I., of 26th June 1896, is only Rs. 725 each.

10th December 1896.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated 22nd December 1896, No. 2063/G.D.

With reference to your memo. No. I. 130/G.D., dated the 10th instant, and its enclosures, I have the honour to state that the plan and estimate submitted by me for the second-class staff boat cannot be revised so as to reduce its cost. I have already stated in my letter No. 1028/G.D., dated the 26th August 1896, that second-class boats if built on the type sanctioned in G.O., No. 538 I., dated the 25th June 1896, for the II Circle, will not be found economical in the long run and that the boats built in the Buckingham Canal basin at Rs. 725 per boat cannot compare in strength, durability and finish, &c., with those built at Dowlaishweram or Bezwada Workshops.

To the Superintending Engineer, II Circle, dated 14th Jan. 1897, No. 5 K.S.
From the „ II „ I „ 4th Feb. „ „ 3125 K.

Memo. No. I. 27/G.D.

With reference to the Superintending Engineer's letter No. 2063/G.D., dated 22nd December 1896, a plan of the second-class boats in use in the II Circle is forwarded for information. This boat is no doubt rough, but its cost is only Rs. 3¼ per square foot of accommodation against Rs. 7¾ per square foot for the Gódávari boats. The difference is a great deal more than can be explained by difference in finish. It may be that the II Circle boats are made entirely of country wood.

2. This, of course, is not advisable, but it is suggested that the Superintending Engineer might be able to reduce the cost of the Dowlaishweram boat by substituting for teak which is estimated at nearly Rs. 5·1 per cubic foot some cheaper timber in all parts except the hull.

17th February 1897

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Waltair, 2nd March 1897, No. 2539/G.D.

I have the honour to state in reply to your memo. No. I 27/G.D., dated 17th February 1897, that the II Circle boats are also to be of teakwood excepting the ribs and mast.

The Kistna boats are larger and provide more accommodation; the respective total quantities of teak being as under:—

	C. FT.
Kistna	182
Gódávari	130 (exclusive of ribs).

In the former quantity are included the cubical contents of wood used in the doors and venetians. The rate for Kistna boat woodwork is Rs. 2-13-3, for Gódávari Rs. 4, while for the latter, pannel doors and venetian windows are in addition estimated at Re. 1 and Rs. 1½ per square foot. Neither good, sound work nor timber can be expected for the former rates.

The saving in cost that could be effected by using country wood for the top parts of the work is not worth the sacrifice of durability.

No. 85 I.

Submitted to Government,

18th March 1897.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 301 I., dated 22nd March 1897.

The following estimate is sanctioned:—

Irrigation.
42. Major Works (Working Expenses).
Gódávari Delta System.
Gódávari Eastern Division.
5. Tools and Plant.
4. Navigation Plant.
Constructing three second-class staff boats.
Estimate ... ... RS. 3,420

2. This sanction is registered as No. 207 I. of 1896-97.

3. The attention of the Superintending Engineer, I Circle, is drawn to the rates provided for constructing the boats now sanctioned in view to his enquiring whether any reduction in their cost is feasible.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, I Circle, with four enclosures.
„ Examiner, Public Works Accounts.

Exd. A. F. Eccleston.

Construction of 3 Second Class Staff boats for

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

Public works (1897) Department

No. 301 I d/ 22-3-97

Current No: 2860

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Enclo: 14 (2 plans)

~~Accd~~: 19.3.97

UNDER date the

READ the following

From Supg Engr, 1st Circle. No. 1028 G.D. d/ 26.8.96
To do. " 91 G.D. d/ 11.9.96
From do. " 1681 G.D. d/ 13.11.96
To do No 130 G.D. d/ 10.12.96
From do No 2063 G.D. d/ 22.12.96
To S.E. II No 5 K.S. d/ 14.1.97 88 B
From do No 3125 K d/ 4.2.97 98 B
To S.E. I No 27 G.D. d/ 27.2.97
From do No 2539 G.D. d/ 2.3.97

~~No 222~~ 85 I d/ 18.3.97
Submitted to Govt.

Order thereon. 12 P.

The following estimate is sanctioned.

Irrigation
42. Major Works (Working Expenses)
Godavari Delta System.
Godavari Eastern Div.
5. Tools & Plant.
4. Navigation Plant.
Constructing three second-class staff boats.
Estimate Rs 3,420

2. This sanction is registered as No. 207 I of 1896-97.

Are not these boats very costly? I see by G.O. 538. 26 June 1896, that the Kistna boats cost only Rs. 725 each. Why should the Godavari boats cost Rs. 1140 each?

J.G.H.
5.12.96

3. The attention of the Supg Engineer I Circle is drawn to the rates provided for constructing the boats now sanctioned.

W.H.
28/11

25/3

F.E. I 26/3/97

Regd. 23/3/97

To The Chief Engr for I.
Supg Engr 1st Circle with 4 enclos.
Ex. P.W.A.

in view to his enquiring whether any reduction in their cost is feasible

18/3
97

W.H.
18.3.97

CHIEF ENGINEER
FOR IRRIGATION.
7 JAN 97
No.

ICC
17/3/97

E. I. Form No 1—1,000 -27-11-95.

H.E. 4.12.96

H.E

3011

Construction of 3 Second class Staff boats for Godavari Delta.

Note for His Excellency the Governor.

With reference to His Excellency's remark dated 5th December 1896 on the estimates for 3 Subordinates' boats for the Godavari Delta further correspondence is submitted.

In comparing the cost of boats made at the Buckingham Canal Basin (viz Rs 725) with the estimate for the Godavari Boats I think the Workshop centage in the latter might be omitted thus reducing the amount to Rs 940. The Godavari rates without the centage are about what I should expect to get a boat built for at Madras if there were any facilities for getting them done there. The rough boats made in Madras are very different in quality and finish to the Godavari boats and are also heavier which is of importance to Subordinates when they have to pay for pulling them against the current.

I think the Dowlaishweram rates with the centage are higher than they should be even allowing for the small outturn of the Workshop and it will be a question as soon as the anicut shutters are completed whether the Workshop should be kept on.

As the number of boats now ordered is so small and the Supg: Engineer discountenances the supply of such boats to any but European and Eurasian

DS

Issue
W.H
18/3

ICC
17/3/97
Please approve para 3 of draft order

18/3
97

Eurasian Subordinates the present estimate might be sanctioned with an instruction drawing the Supg: Engineer's attention to the rates and directing him to enquire whether any reduction is feasible.

Sanctioned accordingly.

.7.44

16.3.97

WH

" I " 12.3.97

Public Works (1896) Department.

CURRENT No. 1-a

R165GD/

CHIEF ENGINEER
FOR IRRIGATION.
JAN 97
No.

Order

From The Supdg Engineer I Circle

No. 1028GD

Dated 26 August 1896

Received 1—9—96

Enclosures

Spare copies

SUBJECT.

Informs that Godavari Second class Staff boats are more durable and suggests that they are not needed to Delta Superintendents

1

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.
I	130 GD		10/12/96
R	3 GD	do	22-12-96
R	33 G	do	8-2-97
R	46 GD		2-3-97

No. 1028 GD 1P.

FROM

J C Larminie Esquire M.I.C.E.
SUPERINTENDING ENGINEER
FIRST CIRCLE.

Enclosures.

TO

THE Chief Engineer for Irrigation
Madras

Camp Samulcottah ~~DOWLAISHWERAM~~, 26. 8. 1896.

Dpo. 29. 8. 96

SIR,

Referring to G.O. no: 538 I of 25th June 1896, I have the honour to state that in my opinion, if boats are to be built, the type now sanctioned for the 2nd Circle will not be found economical in the long run.

2. It is proposed to build them in the Buckingham Canal basin at Rs 745 per boat. No doubt they will answer very well for a time, but, I am acquainted with that type of boat and it cannot compare in strength, durability, or finish, with those built in the Dowlaishweram or Bezwada workshops. Consequently, I consider, That

that if boats are to be built, they should be of the usual Godavari Second Class type at Rs 1135.

3. But I very much question the necessity for building a great number of them. Whether men performing the duties of Delta Superintendents belong to the Conservancy Staff or are styled upper or Lower Subordinates, is immaterial. So long as they are natives, they will much prefer putting up in any village, to living in a boat, incurring the cost of its maintenance, while for ordinary purposes of locomotion, a light nava or dinghy with a mat roof will answer every requirement.

4. Of Course, when European or Eurasian Subordinates are in question, the case is quite different.

I have the honor to be,
Sir,
Your Most ~~Obedt Servt~~

Supg Engineer First Circle 17/8

S. F. I.
4 540—31-7-94

FROM

CHIEF ENGINEER
FOR IRRIGATION.
1-SEP.96
No. 165 G.D.

SUPERINTENDING ENGINEER
FIRST CIRCLE,

TO

THE Chief Engineer
for Irrigation.

CHIEF ENGINEER
FOR IRRIGATION.
7-JAN 97
No.

DATED 26
DESPATCHED 29 } August 1896.
RECEIVED

NO. 1028 G.D.

ENCLOSURES,

SUBJECT,

Informs that Godavari 2nd class Staff boats are more durable and suggests that they are not needed to Delta Superintendents-

OWS.1
2680(5)

Public Works (1896) Department.

CURRENT No. 2½

Order

From The Chief Engineer for Irrig

No. 7/91 G.D.

Dated 11 September 1896

Received

Enclosures

Spare copies

SUBJECT.

Staff boats for Subordinates in the Godavari Delta. States that, under the circumstances explained, if the Supdg Engr is now of opinion that no— are required, no estimate for them is required

4

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.
D	120 G.D		10/12/96
R	3 G.D		dy 22-12-96
R	33 Ks		dy 4-2-97
R	46 G.D		dy 2-3-97

3P.

No. I / 91 G.D dy 11-9-96

Memo.

The undersigned has the honour to acknowledge the receipt of letter No. 1028-G.D. dated 26 August 1896 from the Supdg. Engineer, First Circle. In his letter No. 417-G.D. of the 30th May last, the Supdg. Engr. ~~said~~ intimated that some staff boats were much wanted in the Godavari delta and ~~Govern~~ his estimate awaited & alluded to in ~~accordingly~~ in G.O. No. 538-I dated 25 June 1896 (para 4), ~~directed to~~ should ~~submit an estimate for~~ provide for such boats and of such a type as the S.E. considered suitable for the requirements of the Godavari delta. If, however, the Supdg. Engr. is now of opinion that no boats are required, of course no estimate for them is required.

11/9/96

To The Supdg. Engineer, First Circle.

Wd 10/9 BR

5

R165 G.D

CHIEF ENGINEER
FOR IRRIGATION.
7-JAN 97
No.

The undersigned has the honour
to acknowledge the receipt of letter
No 1028. G.D dated 26 August 96
from the Supdg Engineer, First Circle
to his letter No 4577 [illegible]
Supdg Engr. I Circle
[illegible] to the Chief Engineer for Irrigation
[illegible]

the Godavari delta 1681 G.D [illegible]
~~[illegible]~~ [illegible] dated 13-11-96
25th June 1896 [illegible] forwarded
~~[illegible] Estimate for [illegible]~~
[illegible] type [illegible]
[illegible] requirements of the
Godavari Delta
2nd Class Staff Boats
[illegible] Estimate for [illegible] constructing three
[illegible]

R 5.2
2680/97

C.E. 9
21-11-96

Public Works (1896) Department.

CURRENT No.

4/2

R221 G.D

Order

CHIEF ENGINEER
FOR IRRIGATION
7-JAN 97
No.

From J. C. Larminie Esq.
Supg. Engr. I Circle.
To The Chief Engineer for Irrigation

No. 1681 G.D.

Dated 13-11-96
Received 19-11-96
Enclosures 3
Spare copies

SUBJECT.

2nd Class Staff Boats — Submits plan and Estimate for Rs. 3420/- for constructing three — for sanction.

BH
19-11-96

Entered
[illegible]
21/11

6

[illegible] 20/11

7-11-96

BACK PAPERS.

~~G.O.~~ ~~Issue~~	No.	Department.	Date.
I	91	G.D	11-9-96.
Receipt	221	G.D	13 11 96
Issue	91	G.D	11 9 96
Receipt	165	G.D	26 8 96
G O	538	I	25 6 96
Receipt	46	G.D.	2 3 97
Issue	27	G.D	17 2 97
Receipt	33	K.S	4 2 97
I	56	K.S	14 1 97
R	3	G.D	22 12 96
I	130	G.D	10 12 96

FURTHER PAPERS

G.O.	No.	Department.	Date.
I	130	G.D	10/12/96
R	3 G.D	do	22-12-96
R	33 Ks	do	4-2-97
R	46 G.D	do	2-3-97

No. 1681 G.D. 4R

FROM

J. C. Larminie Esquire M.I.C.E.
SUPERINTENDING ENGINEER,
FIRST CIRCLE.

Enclosures. 3. TO

THE CHIEF ENGINEER
FOR IRRIGATION. Madras.

Camp Dowlaishweram ~~WALTAIR~~, 13th November ~~October~~ 1896.

SIR,

With reference to your memorandum No. I/91 G.D dated 11th September 1896, I have the honor to forward, herewith plan and Estimate amounting to Rs 3420 for constructing three Second-Class Staff boats for the use of Subordinates employed in the Godavari Central and Eastern Divisions for your approval and sanction.

I have the honor to be
Sir,
Your most obedient Servant
J C Larminie
Superintending Engineer
First Circle
13/11

7

[illegible]
8/40

S. E. I. / 1 500—29-2-96.

CHIEF ENGINEER
FOR IRRIGATION
221

FROM

SUPERINTENDING ENGINEER,

FIRST CIRCLE.

CHIEF ENGINEER
FOR IRRIGATION.
1-JAN 97
No.

TO

THE CHIEF ENGINEER

FOR IRRIGATION.

DATED
DESPATCHED
RECEIVED } 189

No.

ENCLOSURES.

SUBJECT.

5053
2680 (5)

Report to accompany the Estimate for Constructing three Second-Class Staff boats for the use of Subordinates in the Godavari Central and Eastern Divisions.

SUPERINTENDING ENGINEER, FIRST CIRCLE
11635
18 DEC. 96

Amount of Estimate Rs. 3,420.

The estimate was called for in para 4 of G.O. No. 538 I dated 25th June 1896. In framing the estimate the type which is usually adopted in the workshops at Dowlaishweram has been adhered to because it is considered to be more durable than the one built in the Buckingham Canal basin.

An early sanction to the estimate is solicited as the boats are urgently required for the use of Overseers employed in the Godavari Central & East Delta Section.

Superintending Engineer
First Circle

13/11

8.

CHIEF ENGINEER
FOR IRRIGATION.
9
No. 3 G2

CHIEF ENGINEER
FOR IRRIGATION
1 JAN 96
No. 22 G2

CHIEF ENGINEER
FOR IRRIGATION
JAN 97
No. G2

Le[illegible] accompanying the
Estimate for constructing three sec-
-Class Staff boats for the use of
Subordinates in the Godavari Central
and [illegible] Division

Amount of Estimate Rs 3420

The estimate was called for in para
4 of G.O. No. 538 I dated 25th June 1896
In framing the estimate the type which
is usually adopted in the Workshops
at Dowlaishwaram has been followed
because it is considered to be more
durable than those built in the [illegible]
[illegible] Canal Basin.

An early sanction to the estimate is
solicited as the boats are urgently
required for the use of Overseers employed
in the Godavari Central Delta Division

Ou. e. 9 / 2680(47)

Public Works (1896) Department.

CURRENT No. 52

Order

~~**From**~~ To The Supdg Engineer I Circle

No. 130 G.D.

Dated 10th December 1896

Received

Enclosures

Spare copies

SUBJECT.

Second class Staff boats required in the Godavari Delta - Supdg Engineer requested to report at an early date if the plans and estimates sent by him for — can be revised so as to reduce their cost and if so, to submit revised plans & Estimates —

9

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Snel 4

No $\frac{I}{1304}$ D. Memo 8P

With reference to letter No 1681 G.D dated 13-11-96 from the Supg Engr I Circle the under-signed has the honour to request that he will be so good as to report at an early date if the plan and Estimate for a second class staff boat can be revised so as to reduce its cost and if so to submit revised plan & Estimate for the same. It is observed that the cost of staff boats sanctioned for the Kistna delta in P.M.G No 5381 of 26-6-96 is only Rs 725 each.

W.H
7/12

To the S E I Circle
B.R. 7-12-96

Pws·14
2680/97

Public Works (1897) Department.

CURRENT No. R3 G.D.

6½

Order

From J C Larminie Esqre
Suptg Engr I Circle

To The Chief Engineer for Irrig

No. 2063 G.D.

Dated 22d December 1896

Received

Enclosures

Spare copies

SUBJECT.

Second Class Staff Boat.
States that the plan and estimate for the — cannot be revised so as to reduce its cost.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

No. 2063 G.D.

78

FROM

J. C. Carmine Esquire M.I.C.E.
SUPERINTENDING ENGINEER
FIRST CIRCLE.

Enclosures. 4

TO

THE CHIEF ENGINEER
FOR IRRIGATION.

~~DOWLAISHWERAM~~, 22nd December 1896

SIR,

With reference to your memorandum No. $\frac{I}{130 G.D.}$ dated the 10 Instant and its enclosures, I have the honor to state that the plan and Estimate submitted by me for the 2nd Class staff boat cannot be revised so as to reduce its cost. I have already stated in my letter No. 1028 G.D. dated the 26 August 1896 that 2nd Class boats if built on the type sanctioned in G.O. No. 538 I dated the 25 June 1896 for the 2nd Circle will not be found econo

in the long run and that

the boats built in the Buckingham canal basin at Rs 7.25 per boat cannot compare in strength durability & finish &c with those built at Dowlaishweram or Bezwada Workshops

I have the honor to be
Sir
Your most obedient servant

J C L
Superintending Engineer
28/12 1st Circle

E.F. 26/12

CHIEF ENGINEER
FOR IRRIGATION.
5 JAN 97
No. 3 G D

CHIEF ENGINEER
FOR IRRIGATION
5 JAN 97
No.

G.O. 5.13
26.8.0 (97)

I
No 27.8 D

10 R.

Encl.

for?

S.E. I.

With reference to the S.E.s letter No 2063 G.D. d/ 22-12-96 ~~the~~ a plan of the second class boats in use in the II Circle is forwarded ~~for~~ information. This boat is no doubt rough but its cost is only Rs 3 1/3 per S. ft of accommodation against Rs 7 3/4 per s. ft ~~for~~ the Godavari boats — The difference is a great deal more than can be explained by difference in finish. It may be that the II Circle boats are made entirely of country wood. ~~in which case the lower~~

2. This of course is not advisable but it is suggested that the S.E. might be able to reduce the cost of the Dowln boat by substituting for teak which is estimated at nearly Rs 5.1 per c.ft some cheaper timber in ~~those parts of the boat~~ all parts except the hull.

17.2.97 W.H.

J.H. 23/2

14

R 3884/97

OWS.6
2680 (97)

Public Works (1897) Department.

CURRENT No. 469 D.

1

Order

From J. C. Larminie Esq.
Supg. Engineer 1st Circle.
To the Chief Engineer for Irrigation

No. 2539 G.D.

Dated 2-3-97
Received 8-3-97
Enclosures 1.
Spare copies

SUBJECT.

2nd Class Staff Boats — States that the saving in cost that could be effected by using Country wood for the top parts of — is not worth the sacrifice of durability.

1/2

To D. E. I. papers

B R
8-3-97

15

8-3-97

Kau 9/3/97

BACK PAPERS.

G.O.	No.	Department.	Date.
2	27GD		17-2-97

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 2539 G.D. 11 Pr.

FROM

J.C. Larminie Esqr M.I.C.E.
SUPERINTENDING ENGINEER,
FIRST CIRCLE.

Enclosures. 1. TO

THE CHIEF ENGINEER
FOR IRRIGATION.

WALTAIR, 2. 3. 1897.

SIR,

I have the honour to state in reply to your memorandum No: $\frac{I}{27 GD}$ dated 17/2/97, that the 2nd. Circle boats are also to be of teakwood excepting the ribs and mast.

The Kistna boats are larger and provide more accomodation the respective total quantities of teak being as under:—

Kistna 182 cft
Godavary 130 (Exclusive of ribs).

In the former quantity are included the Cubical Contents of wood used in the doors and venetians. The rate for Kistna boat woodwork is Rs 2.13.3, for Godavary Rs 4-0-0, while for the latter, Pannel doors and venetian windows are, in addition, estimated at Rs 1-1-3½ per Sq foot. Neither good sound work

16 nov

CHIEF ENGINEER
FOR IRRIGATION.
8 MAR 97
No. 46 G.A.

S. E. I. / 1 500—29-2-96.

FROM

SUPERINTENDING ENGINEER,
FIRST CIRCLE.

TO

THE CHIEF ENGINEER
FOR IRRIGATION.

DATED
DESPATCHED
RECEIVED
189

No.

ENCLOSURES.

SUBJECT.

nor timber can be expected for the former rates.

The saving in cost that could be effected by using Country wood for the top parts of the work is not worth the sacrifice of durability.

I have the honor to be
Sir,
Your Most obedt St.

Suptg Engineer 1st Circle

3/3

GS
2/3/97

8455
2680(97)

Public Works (1897) Department.

CURRENT No.

Order

~~From~~ To

The Suptg Engineer I Circle

No. 1/27 G.D.

Dated 17th February 1897
Received
Enclosures
Spare copies

SUBJECT.

Dowlaishweram Boat Forwards for information a plan of the 2d class boats in use in the 2 Circle and suggests that the Suptg Engr I Circle might be able to reduce the cost of the — by substituting for teak some cheaper timber in all parts except the hull.

13

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Public Works (1897) Department.

CURRENT No. 33. KS.

Order

From

Major W. L. C. Baddeley R.E.
Supg Engineer,
II Circle.

No. 3125 K.

Dated 4 February 1897

Received 8 - 2 - 97

Enclosures 1 + tracing to be sent to S.E. II Circle by the [illegible] office with reference to

Spare copies

SUBJECT.

2nd Class Staff boat

Forwards tracing of a [illegible] letter No 180 KS of 17-4-97

BR
8-2-97

BACK PAPERS.

G.O.	No.	Department.	Date.
I	5 K.S.		14.1.97
~~R~~	~~46~~	~~G.O.~~	~~2-3-97~~

FURTHER PAPERS.

Issue ~~G.O.~~ or Receipt	No.	Department.	Date.
Issue	27	G.O.	d/ 17-2-97
R	46	~~G.O.~~	2-3-97

SUPERINTENDIND ENGINEER'S OFFICE,
SECOND CIRCLE, Bezwada

No. 3125 K. DATED 4 February 1897

FROM,

Major W. L. C. Baddeley R.E.
SUPERINTENDING ENGINEER,
II CIRCLE.

TO,

The Chief Engineer
for Irrigation,
Madras.

Enclos: 1

SIR,

With reference to your Memorandum No. II/5 K.S. d/ 14th ultimo, I have the honour to forward herewith a tracing of a Second Class Staffboat Sanctioned in G.O. 538 I d/ 25th June 1896.

I have the honour to be,
Sir,
Your most obdt Servt
W L Baddeley
Major R.E.
Supg Engineer, 2nd Circle

J.I.

CHIEF ENGINEER
FOR IRRIGATION.
[illegible] 97
No. 33 Vd

PWS 7
2680 (2)

Public Works (1897) Department.

CURRENT No.

Order

~~From~~ To

The Suptg Engineer 2 Circle

No. 11/5 K.S.

Dated 14° January 1897

Received

Enclosures

Spare copies

SUBJECT.

Second Class Staff Boat.

Suptg Engineer requested to forward to this office f inspection, a plan an description of a — as sanct in G O No 538 I of 96 an to cost Rs 725 –