Public Works (1897) Department.

G.O., No. 2517 W

DATED 9 September 1897

11/9/97

[Despatch Abstract.]

Boat Superintendent for the Bezwada Workshops.

Sanctioning with remarks the proposals for the creation of a temporary appointment of — and fixing the pay at Rs. 150 per mensem.

13
24 Sept 97

Indexed 9/10

10/4

P. W. 23.
[illegible]

BACK PAPERS.

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

FURTHER PAPERS.

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

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

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

G.O., No. 2517 W., 9th September 1897.

SEPTEMBER.

Boat Superintendent for the Bezwada Workshops

Sanctioning, with remarks, the proposals for the creation of a temporary appointment of — and fixing the pay at Rs. 150 per mensem.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.

Establishment.

Read—again the following paper:—

G.O., No. 2932 W., dated 14th October 1896.

Read—also the following papers:—

From the Superintending Engineer, II Circle, dated 7th November 1896, No. 2159 K.N.
G.O., No. 146 I., dated 12th February 1897.
From the Superintending Engineer, II Circle, dated 7th April 1897, No. 80 K.N.

From Captain W. M. ELLIS, R.E., Executive Engineer, Kistna Northern division, to the Superintending Engineer, II Circle, dated 1st May 1897, No. 100 S.E.

As suggested in my No. 737, dated 8th February 1897, I now submit a proposal for re-organizing the subordinate work establishment of this division which has Bezwada for a permanent head-quarters.

2. The present establishment is—

(1) Workshop Superintendent, who has entire charge of the workshop and, in addition, all the boat repairs.
(2) The anicut superintendent—charge of execution of all the works in Bezwada except Mogalrajapuram quarry.
(3) Boat superintendent (pay Rs. 50)—charge of boats, issues licenses, inspects boats, and takes periodical soundings, &c.
(4) Assistant anicut superintendent—charge under the anicut superintendent of works on the Seetanagaram side; had charge of the Seetanagaram quarry till closed.
(5) Lock superintendent, Bezwada.
(6) Lock superintendent, Seetanagaram, lately transferred from Western division; in charge of regulation of headsluice by order of the Executive Engineer, Kistna Western, as well as the lock traffic.
(7) Sub-overseer in charge of Mogalrajapuram quarry.

3. With regard to (1), (2), (5), (6), (7), I would propose no change. I propose, however, to abolish the post of assistant anicut superintendent and absorb the existing holder by putting him in charge of (7) Mogalrajapuram quarry in which there is a vacancy. Since the Seetanagaram quarry has been closed, there has been very little work for the assistant anicut superintendent, so much so that he has been sent to do blasting on the Muniyeru project works.

4. I propose, however, that a post of boat superintendent should be removed from the list of delta superintendents, who are a class not suited for such a post, and that a competent mechanic with sufficient education to carry on office work satisfactorily be appointed boat superintendent. A salary of Rs. 150 rising by annual increments of Rs. 5 to Rs. 200 is suggested as suitable. The present post carries a salary of Rs. 50 and the assistant anicut superintendent's post is worth Rs. 40, so that the proposal made involves an increased monthly charge of Rs. 60 rising in ten years to Rs. 110.

5. I have now some experience of this division and have for a long time held the opinion that a man of the delta superintendent's class is quite out of place in the post of boat superintendent which should include the supervision and direction of the steamers and dredgers and their operations. It is obvious that only a trained mechanic can efficiently do such work. The result has been that the dredging has been conducted in a more or less haphazard style, and all directions regarding the machinery and manning of dredger and steamer has been under the Workshop Superintendent. This officer also has had the sole charge of all boats sent for repairs, whereas it appears obvious that the boat superintendent should look after such things and should be an expert in mechanics, and also, if possible, in boat-building.

6. The large increase of the floating machinery which will become available this year, and the acknowledged want of further supervision to the floating plant repairs has brought matters to a head.

The increases of floating machinery this year will be—

2 Stern wheel steamers,
2 Cockburn dredgers,
2 Scouring dams.

The want of extra supervision in the workshops has been treated of in this office Nos. 209 S.E., dated 8th July 1896, and 452 S.E., dated 2nd November 1896, and in G.O., No. 2932 W., dated 14th October 1896, and Chief Engineer's memo. No. 4098 C., dated 13th November 1896, and refers almost altogether to the repairs of floating plant.

Should such a man as I propose be appointed boat superintendent, I would give him charge of all the boat repairs during the closure, at which time his other duties are in abeyance, and no increase in the workshop establishment will be necessary or desirable.

7. It would further be a great advantage in case of the temporary absence from duty of the Workshop Superintendent to have a skilled mechanic at hand to carry on work, such aid being at present wanting.

I may mention that Mr. Joyce, the present Workshop Superintendent, here used to be boat superintendent at Dowlaishweram, and this is precisely the class of man we want.

8. I attach statements as per margin giving information regarding the number, value and tonnage of boats in my division and the average cost of annual repairs of these and the ferry boats from other divisions. These annual repairs amount to Rs. 42,000.

9. A proposition statement is herewith.

No. 407 K.N.

Forwarded to the Chief Engineer for Irrigation with a strong recommendation that the proposals of Captain Ellis, R.E., be sanctioned.

2. With the considerable fleet of steamers and dredgers, &c., attached to this circle in the Kistna district, it is essentially necessary that the boat superintendent should be a trained mechanic, accustomed to the use and repairs of small steam vessels.

3. A man of this class would also be of assistance in the management of the crews required for the various boats. He would in fact hold a very similar position to that occupied for many years by Captain Barber in the Gódávari district.

7th May 1897. (Signed) W. L. C. BADDELEY, Major R.E.,
Supg. Engr., II Circle.

Forwarded to the Chief Engineer, Public Works Department, with reference to the correspondence referred to in G.O., No. 146 I., dated 12th February 1897. I consider that more supervision is required at the Bezwada shops, but that it will not be always so, and the mechanic whom it is now proposed to employ, should be on the temporary establishment.

OOTACAMUND,
17th May 1897. (Signed) W. HUGHES,
Chief Engineer for Irrigation.

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezwada, 7th July 1897, No. 1006 K.N.

In reference to your memo. No. 2980 C., dated 29th June 1897, I have the honour to state that the proposals made in my letter No. 407 K.N., dated 7th May 1897, supersedes the applications previously made for the appointment of a foreman for the Bezwada workshops.

2. I have also the honour to state that the present boat superintendent has been provided with an appointment on the list of delta superintendents and his *locum tenens* appointed sub. *pro tem.* till the question of a competent mechanic being appointed as boat superintendent is settled.

From the Superintending Engineer, II Circle, dated 3rd August 1897, No. 1297 K.N.

ORDER—No. 2517 W., dated 9th September 1897.

In his endorsement, No. 945 K.N., dated 11th July 1896, the Superintending Engineer, II Circle, strongly recommended the appointment of a foreman for the Bezwada workshops, on the ground that more intelligent and trustworthy supervision was required in the shops. It was stated that although Sub-Conductor Joyce, the Superintendent of the workshops, had done, and was doing good work, it was quite impossible for him to check the quality of all the work turned out, notably that of the piece-workers on the floating plant, in the manner necessary, in the interests of Government.

2. The Executive Engineer, Kistna Northern division, proposed that the pay of the post should be Rs. 150 rising to Rs. 250 by annual increments of Rs. 10, and the Superintending Engineer remarked that, while the man need not be on the permanent establishment, the pay should be high enough to secure a competent mechanical foreman.

3. It having been pointed out that progressive pay could not be assigned to a temporary appointment, the Superintending Engineer with his endorsement of 5th September 1896, No. 1505 K.N., submitted a proposition statement for the post, providing for a fixed salary of Rs. 200 per mensem.

4. The application was supported by the Chief Engineer for Irrigation in his endorsement, No. 62 E.W., dated 23rd July 1896.

5. In G.O., No. 2932 W., dated 14th October, the application was rejected on the ground that the Government was not satisfied as to the necessity for the proposed increase to the supervising staff of the workshops. It was stated in the papers that the time of the Superintendent was so much taken up with office work that he could not properly supervise the work in the shops, and the Government remarked that if this were conclusively proved it would be a ground for additional assistance in the office.

6. In his letter, No. 2159 K.N., dated 7th November 1896, the Superintending Engineer strongly urged a reconsideration of the question, but in the face of the refusal contained in the Government order above quoted, the Chief Engineer did not feel justified in again submitting the proposal to Government.

7. The matter was brought forward again in the papers printed with G.O., No. 146 I., dated 12th February 1897, which deals with the floating plant statement of the Kistna delta.

8. In submitting the statement, the Executive Engineer remarked that, as Government had refused to sanction a foreman for the Bezwada workshops, he was unable to include in his programme, special repairs to the extent of about Rs. 10,000, the supervision available in the workshops being insufficient to properly look after the existing amount of work.

9. In endorsement No. 2588 K., dated 14th December 1896, the Superintending Engineer again urged that the workshops should have more supervision, as it was an absolute impossibility for Sub-Conductor Joyce to do all that was required. He added that the repairs to the boats and floating plant could be economised if there was a reliable man to supervise the work. The Chief Engineer for Irrigation recommended that the order refusing a foreman be reconsidered in the light of the further explanation given by the Superintending Engineer.

10. The Superintending Engineer having been asked for information as regards the office work which was said to take up so much of Sub-Conductor Joyce's time, it was explained that clerical assistance was not wanted, and that the work in question was professional work which Sub-Conductor Joyce must do himself, viz., the preparation of designs and the scrutiny of plans received from officers of the department with orders for work.

11. Since then, the Superintending Engineer has modified his proposals, and he now applies for the appointment of a trained mechanic as boat superintendent on Rs. 150 to 200 per mensem. As a set-off against the expense, it is proposed to abolish two posts—one of boat superintendent on Rs. 50, another of anicut superintendent on Rs. 40 per mensem. The proposal is supported by the Chief Engineer for Irrigation, who, however, recommends that the new appointment be sanctioned as temporary only. On the condition named by the Chief Engineer for Irrigation, the proposals are sanctioned. The pay of the new appointment of boat superintendent will be fixed at Rs. 150 per mensem, and as it is not usual to assign incremental rates of salary to temporary posts, the question of an increase will be reserved for future consideration.

The immediate extra expense involved by these arrangements is Rs. 60 per mensem.

12. This sanction has been registered as Provincial No. 50 W. of 1897–98, and classified as Establishment—Temporary.

(True Extract.)

Under Secretary to Government.

To the Superintending Engineer, II Circle.
„ Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

[40/500] A

Public Works DEPARTMENT.

Papers to be read in proceedings:— No. 2517 W 29 Sep 97.

Again G.O., dated 14th October 1896, No. 2932 W.

Again G.O., dated 189 , No.

Current No. 10116 of 1896, dated 7th November, from S.E. II

,, ,, 2118 ,, 1897, ,, 12th February, ,, G.O. No. 146 I.

,, ,, 3624 ,, 1897, ,, 7th April ,, S.E. II.

,, ,, 6253 ,, 1897 ,, 17th May ,, E.I.

,, ,, 6673 ,, 1897 ,, 7th July ,, S.E. II

,, ,, 7783 ,, 1897 ,, 3rg August ,, S.E. II

1 S. P.

S P

Genl Estab

ORDER.

In his endorsement No. 945 K.N. dated 11th ~~May~~ July 1896, the Superintending Engineer II Circle strongly recommended the appointment of a foreman for the Bezwada Workshops, on the ground that more intelligent and trustworthy supervision was required in the shops. It was stated that although Sub Conductor Joyce, the Superintendent of the Workshops had done, and was doing, good work, it was quite impossible for him to -- check the quality of all the work turned out, notably that of the -- pieceworkers on the floating plant, in the manner necessary in the -- interests of Government.

2. The Executive Engineer Kistna Northern Division proposed that the pay of the post should be Rs. 150 rising to Rs. 250 by annual increments of Rs. 10 and the Suptg. Engr. remarked

remarked that while the man need not be on the permanent establishment, the pay should be high enough to secure a competent Mechanical foreman.

3. It having been pointed out that progressive pay could not be assigned to a temporary appointment, the -- Superintending Engineer with his endorsement of 5th September 1896, No. 1505 K. N. submitted a proposition statement for the post, providing for a fixed salary of Rs. 200 per mensem.

4. The application was supported by the Chief Engineer for Irrigation in his endorsement No. 62 F. W. dated 23rd July 1896.

5. In G. O. No. 2932 W dated 14th October, the application was rejected on the ground that the Government was not satisfied as to the necessity for the proposed increase to the supervising staff of the Workshops. It was stated in the papers that the time of the Superintendent was so much taken up with office work that he could not properly supervise the work in the shops, and the Government remarked that if this were conclusively proved it would be a -- ground for additional assistance in the office.

6. In his letter No. 2159 K. N., dated 7th November 1896, the Suptg. Engineer strongly urged a reconsideration of the question, but in the face of the refusal contained in the G. O. above quoted, the Chief -- Engineer did not feel justified in again submitting the proposal to Government.

7. The matter was brought forward again in the papers printed with G. O. No. 146 I, dated 12th Feb. 1897, which deals with the floating plant statement of the Kistna Delta.

8. In submitting the statement, the Executive Engineer remarked -- that as Government had refused to sanction a foreman for the Bezwada Workshops, he was unable to include in his programme, special repairs to the extent of about Rs. 10,000, the supervision available in the workshops being insufficient to properly look after the existing amount of work.

9. In endorsement No. 2588 K, -- dated 14th December 1896, the -- Superintending Engineer again urged that the workshops should have more supervision, as it was an absolute impossibility for Sub-Conductor Joyce to do all that was required. He added that the repairs to the boats and floating plant could be

economised

10 P

economised if there was a reliable man to supervise the work. The Chief Engineer for Irrigation recommended that the order refusing a foreman be reconsidered in the light of the further explanation given by the Superintending Engineer.

10. The Superintending Engineer having been asked for information as regards the office work which was said to take up so much of Sub-Conductor Joyce's time, it was explained that clerical assistance ~~is~~ was not wanted and that the work in -- question ~~is~~ was professional work which Sub Conductor Joyce must do himself, viz, the preparation of design~~s~~ and the scrutiny of plans received from officers of the Department with -- orders for work.

11. Since then, the Superintending Engineer has modified his proposals, and he now applies for the appointment of a trained mechanic as Boat Superintendent on Rs. 150 to 200 per mensem. As a set off against the expense, it is proposed to abolish two posts, one of boat superintendent on Rs. 50, another of anicut superintendent on Rs. 40 per mensem. The proposal is supported by the Chief Engineer for Irrigation, who however recommends that the new appointment be sanctioned as temporary -- only. On the condition named by the Chief Engineer for Irrigation, the proposals are sanctioned. The pay of the new appointment of Boat Superintendent will be fixed at Rs. 150 per mensem, and as it is not usual to assign incremental rates of -- salary to temporary posts, the -- question of an increase will be reserved for ~~further~~ future consideration. The immediate extra expense involved by these arrangements is Rs. 60 per mensem.

12. This sanction has been registered as Provincial No. 50 W of 1897-98, and classified as Establishment, Temporary.

6/9/97

CMM
6/9/97

The Suptg. Engr., II Circle. ✓
,, Chief Engr. for Irrigation. ✓
,, Exar. P. W. Accounts. ✓

B
24/9/97

[illegible] 180 / Estabt. of Bezwada Workshops

P. W. DEPARTMENT.

25/7/W

READ the following :—

From the Chief Engineer for Irrigation, dated 17th May 1897.

From the Supdg: Engineer, II Circle, No. 1606 K.N., dated 7th July 1897.

——— Do ——— do ———, No. 1297 K.N., dated 3rd August 1897.

FOR ORDERS.

In his note of 25th May 1897, on the note for orders flagged **J**, relative to the proposed appointment of a foreman mechanic to the Bezwada Workshops, the Hon: Member inquired why the pay of Sub: Conductor Joyce was not charged to the Bezwada Workshops. This is because Sub Conductor Joyce is a 1st grade supervisor on the permanent upper subordinate establishment, and is attached to the Workshops as a member of the regular upper subordinate staff of the Kistna Northern Dn.

2. In the same way the pay of the General Supdt:, P. W. Workshops is

I dont think this explanation can be admitted — The argument was that in the Bezwada Workshops supervision was less costly than in other shops, and this was made out by omitting Sub Cond. Joyce's pay. What that is, is not stated; and I do not know. But it is obvious that the cost of supervision is the same whether the person who supervises is classed as temps or perment — Indeed in the latter case it is more, for liabilities are incurred on account of pension —

HS

Madras Rec. 7/4/33

43-500-22-4-97.

H. Su. 14.8.97 R 17.8.97 H.E. 17.8/97 R 20.8/97 is not shown against the Presidency Workshops because he is an Executive Engineer of the regular Engineer establishment.

and also Storekeeper –
HS

FOR ORDERS.

If he is paid too highly a cheaper man should be put in –

3. The Workshop Supdt. at Dowlaishweram on the other hand is a mechanic specially ~~specially~~ engaged for the workshops and belongs to the temporary establishment. The appointment corresponds with that of the Foreman of the Presidency Workshops, who also belongs to the temporary establishment, and whose pay has been increased to Rs 200 since the note for orders was written.

4. The Hon: Member also wishes to know the pay of the carpenter maistry at the Bezwada Workshops, whose pay is charged to works. It has been ascertained that the maistry is paid Rs 1-2-6 per day and that the debit has since been transferred to "general charges."

What does it matter what head the charge is debited? The payment is part of the cost of supervision all the same
HS

With reference to the Hon'ble Member's inquiry as to why the workshop supdt. should be employed on the preparation of designs, it is submitted that the designs in question are for items of work to be carried out in the workshops.

Quite so – So I supposed – But why should the workshop man make the designs – I should have thought that the business of the man
the who wanted the work done – It seems to me that you might as well ask the Supt. of the Govt. Press to draft all the

5. Since these papers were previously circulated, the Suptg. Engineer has altered his proposals, and now applies for the appointment of a trained mechanic as Boat Supdt. on Rs 150 to 200 per mensem. The reasons for this appointment are given at length in ~~Capt.~~ Capt. Ellis' letter + No. 100 S.E., dated 1st May 1897, and as a set off against the expense, it is proposed to abolish an appointment of boat supdt. on Rs 50 and an assistant anicut supdt. on Rs 40. The immediate extra charge will then be Rs 60.

6. The proposal is supported by the Chief Engineer for Irrigation who, however, recommends that the appointment be sanctioned as temporary only.

7. If approved, the pay of the proposed appointment of Boat Supdt. might be fixed at Rs 150 per mensem, leaving the question of increases for future

G.Os [illegible]
HS

This new proposal is for H.E.
HS
16/8/97

Flagged K –

~~App~~ The proposal is approved, subject to this proviso of the C.E. for Irrigation.
A.E.H
20.8.97

[illegible] / 1022-5-97

future consideration. It is not usual to assign an incremental rate of pay to temporary posts.

14/3/97
W

Foreman for Bezwada Workshops

P. W. DEPARTMENT.

READ the following :—

2517W

G. O. No. 146 I, dated 12th February 1897.

From the Superintending Engineer, II Circle, No. 80 K. N., dated 7th April 1897.

FOR ORDERS.

Flag. A

In his endorsement No. 945 K. N., dated 11th July 1896, the Superintending Engineer II Circle strongly recommended the appointment of a foreman for the Bezwada Workshops, on the ground that more intelligent and trustworthy supervision was required in the shops. It was stated that although Sub Conductor Joyce, the Superintendent of the Workshops, had done, and was doing, good work, it was quite impossible for him to check the quality of all the work turned out, notably that of the pieceworkers on the floating plant, in the manner necessary in the interests of Government.

2. The Executive Engineer Kistna Northern Division proposed that the pay of the post should be Rs. 150 rising to Rs. 250 by annual increments of Rs. 10 and the Suptg. Engineer remarked that while the man need not be on the permanent establishment, the pay

I think the case for this appt. has been better made out than it was when the matter was submitted to Govt. last year.

The Hon. Mr. Bliss was kind enough to give an opinion then. I would now ask him to repeat that favour.

A.G.H. 21.5.97

It is now explained that by "office work" is meant the preparation of designs and the scrutiny of plans. But why should the workshop Supt. be employed on the preparation of designs? Surely that is the business of the Engr. officers — a highly trained body of men — who hold charge of P.W. ~~Supers~~ divns.

In the comparative statement in para 13, the Supt. on Rs 200

H.M.(I). 22.5.97

43—500—22-4-97.

R 25-5-97 H.E. 18-5-97 R 22-5-97

pay should be high enough to secure a competent Mechanical foreman.

3. It having been pointed out that progressive pay could not be assigned to a temporary appointment, the Suptg. Engineer with his endorsement of 5th September 1896, No. 1505 K.N. submitted a proposition statement for the post, providing for a fixed salary of Rs. 200 per mensem. Flag B

4. The application was supported by the Chief Engineer for Irrigation in his endorsement No. 62 E.W., dated 23rd July 1896. Flag C

5. In G.O. No. 2932 W dated 14th October, the application was rejected on the ground that the Government was not satisfied as to the necessity for the proposed increase to the Supervising Staff of the Workshops. Flag D It was stated in the papers that the time of the Superintendent was ~~as usual~~ so much taken up with Office work that he could not properly supervise the work in the shops, and the Government remarked that if this were conclusively proved it would be a ground for additional assistance in the Office.

6. In his letter No. 2159 K.N., dated 7th November 1896, the Suptg. Engineer strongly urged a reconsideration of the question, but in the face of the refusal contained in the G.O. above quoted, the Chief Engineer did not feel justified in again submitting the proposal to Government. Flag E

is charged against Dowleshwaram. Why is the pay of Sub Conductor Joyce not charged agst Bezwada? and what is the pay of the Carpenter Maistry who is charged to works? Until these particulars are added we do not get the real cost of supervision at Bezwada.

K.S.
25.7.97

7. The matter ~~has~~ was now ~~been~~ brought forward again in the papers printed with G.O. No. 146 I, dated 12th February 1897, which deals with the floating plant statement of the Kistna Delta. Flag F

8. In submitting the statement, the Executive Engineer remarked that as Government had refused to sanction a foreman for the Bezwada Workshops, he was unable to include in his programme, special repairs to the extent of about Rs. 10,000, the supervision available in the workshops being insufficient to properly look after the existing amount of work.

9. In endorsement No. 2588 K, dated 14th December 1896, the Suptg. Engineer again urged that the workshops should have more supervision, as it was an absolute impossibility for Sub Conductor Joyce to do all that was required. He added that the repairs to the boats and floating plant could be economised if there was a reliable man to supervise the work.

In G.O. No. 146 I
12-2-97.
page 7 Flag G.

~~10~~. The Chief Engineer for Irrigation recommended that the order refusing a foreman be reconsidered in the light of the further explanation given by the Suptg. Engineer.

In G.O. No. 146 I
of 12-2-97. page 7
Flag G.

10 ~~11~~. The Suptg. Engineer having ~~seen~~ been asked for information as regards the Office

FOR ORDERS.

Office work which was said to take up so much of Sub Conductor Joyce's time, it was [is now] explained that clerical assistnace is not ~~counted~~ wanted and that the work in question is professional work which Sub Conductor Joyce must do himself, viz, the preparation of designs, and the scrutiny of plans received from Officers of the Dept. with orders for ~~the~~ work.

8.1919 C. Q 3.4.97
Flag H.

12. In para 3 of his endorsement No. 2588 K, dated 14th December 1896, printed with G.O. No. 146 I, dated 12th February 1897, the Suptg. Engineer observed that a comparison of the cost of supervision in the three Public Works Workshops, Madras, Dowlaishweram, and Bezwada, will show ~~bey~~ that the last named, with the largest outturn, has the ~~last~~ least supervision.

X. Flag G.

13. The following statement compares the establishment of the three Workshops.

Presy. Workshops. (Presidency Workshops. (Continued))		Dowlaishweram Workshops.		Bezwada Workshops. (continued)	
1. Foreman......	Rs. 150.	1. Workshop Supdt...	Rs. 200.	1. Accountant	~~Rs~~ 60
1. Draftsman....	,, 60.	1. Maistry..........	,, 55.	1. Maistry. -	„ 60
1. Engraver......	,, 30.	2. Maistries (Rs. 35 each)	,, 70.	1. - Do -.	„ 30
1. Clerk........	,, 70.	1. Clerk............	,, 55.	1. Clerk.	„ 26
1. - Do	,, 55.	1. - Do	,, 45.	1. -Do-.	„ 25
1. -Do -........	,, 45.	2. Clerks (Rs. 25 each)	,, 50.	2. Clerks. Rs. 20 each	„ 40
1. -Do -........	,, 25.	1. Clerk............	,, 17½.	1. Draftsman	„ 25
4. Clerks (15-20)	,, 70	1. Dafadar..........	,, 9.	1. Assistant Storekeeper	„ 15
1. Clerk	,, 12½.	10. Peons (Rs. 6 each)	,, 60.	1. Time Keeper.....	Rs. 15.
1. Gate Keeper..	,, 10.	Total	Rs. 561-8.	1. Store clerk.....	,, 15.
2. Attenders (Rs. 10 each)	20.			1. Apprentice Instructor	,, 10.
4. Peons (Rs. 7 each)........	Rs. 28.			2. Lascars (Rs. 7 each)	,, 14.
2. Boys (Rs. 4 each)	,, 8.			1. Sweeper..........	,, 7.
Total	Rs. 583-8			10. Lascars (Rs. 6 each)	,, 60.
				Total	Rs. 402

Flag D.

14. If the Government is now disposed to accede to the application, sanction might perhaps be given in the terms of the cancelled draft order ~~now~~ attached to G.O. No. 2932 W, dated 14th Octr. '96.

17/5/97
W.

Cu

W

Cw 7783

The accompanying draft note for orders

the Bagwada

rkshop estabt. is submitted for approval.

The questions asked by the H.M. on the note for orders flagged J. have been answered in the present note, except the first query, viz. "Why should the Workshop Supdt. be employed on the preparation of designs?"

I am not sure whether this question needs a reply, but apparently the answer is that the designs in question are for items of work to be carried out in the workshops – the Agr. appear to have designs of a more general character in his mind. If a remark on the point is considered necessary it might be inserted after para 4 of the draft note for orders.

Cy
9.8.97

Pl. enter the alteration after para 4

13/8/97

W/
Entered and resubmitted for initials.
R.R.
13/8/97

(a)

Public Works (1897) Department.

CURRENT No. 7783

quote no date

Order

From

Major W. L. C. Baddeley R.E.
Supg. Engr. II Circle

No. 1297 K.N

Dated 3 August 1897
Received } 5-8-97
Registered }
Enclosures
Spare copies

SUBJECT.

Carpenter maistry in Bezwada shops

Forwards letter from the E.E. K.N. Dn. reporting that the pay of the — is Rs 1-2-6 per day

o&s. 367

0
4/9/97

BACK PAPERS.

No.	Date.
3217 C	15-7-97
2980 C	29-6-97
1919 C	3-4-97
4098 C	13-11-96
2932 W	14-10-96
~~91 12 Mar~~	
581 W	12-3-95
365 W	6-2-92
1161 W	27-4-91

FURTHER PAPERS.

No.	Date.

Letter from Captain W. M. Ellis, R.E. Exe: Engineer, Kistna Northern Dn. to the Supg Engineer, 2nd Circle, dated 29.7.97. No. 309 S.E.

Your Endt: No. 1153 K.N. dated 21.7.1897 on Chief Engineer, P.W.D's no 3217 C of 15.7.1897.

The pay of the Carpenter Maistry in the Bezwada Shops is Rs 1-2-6 per day. Since 1st April 97 his pay is borne by "general charges" and is not charged direct to works as used to be done.

The system of charging a supervising establishment direct to works has been altogether abolished as proposed in this Office No. 562 of 21.1.96.

No. $\frac{1297 \text{ K.N}}{3.8.97}$ Forwarded to the Chief Engineer P.W.D. with reference to his memo No. 3217 C of 15.7.1897. W. Bardeley

Major R.E.

Supg Engr. II Cir

W

Public Works (1897) Department.

CURRENT No. 6673

Print

From

Major W. L. C. Baddeley R
Supg. Engr. 2nd Ci

Order

No. 1006 K.N

Dated 7 July 1897

Received 9. 7. 97

Registered

Enclosures

Spare copies

SUBJECT.

A Mechanic Boat
Supt. for Kistna
N. Dn. Informing tha
the application for —
supersedes the applica
already made for the
Foreman for the
Bezwada Worksho

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

Press

SUPERINTENDIND ENGINEER'S OFFICE,
SECOND CIRCLE, Bezwada

No. 1006 K.N. DATED 7 July 1897

B

FROM,

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

TO,

The Chief Engineer,
P. W. Department,
Madras.

Enclos:

SIR,

In reference to your Memo No. 2980C d/ 29th June 1897, I have the honour to state that the proposals made in my letter No. 407 K N d/ 7.5.97 supersedes the applications previously made for the appointment of a Foreman for the Bezwada Workshops.

Sent to S.E. on 30.6.97

✓ Recd in I office

2. I have also the honour to state that the present Boat Supt. has been provided with an appointment on the list of Delta Superintendents and his locum tenens appointed Sub Pro tem

till the question of a competent mechanic being appointed as Boat Supt: is settled.

I have the honor to be,
Sir,
Your most Obt. Servt.

Wm. Ellis
Exe Engineer,
for Supg Engr 2nd Circle,
6.7.97

DE 6/7/97

Public Works (1897) Department.

Print all

CURRENT No. 6253

From The Chief Engineer for Irrigation

Order

No. -

Dated 17th May 1897

Received 18th Do

Registered 28th Do

Enclosures 8

Spare copies

SUBJECT.

Boat Superintendent. Forwards the correspondence regarding the appointment of a competent mechanic with sufficient education for the post of — in the Kistna Northern Dn. with the remark that the mechanic proposed to be employed should be on the Temporary Establishment

O.S. 4/9/97 R 9/9

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

A Statement of

Steamers

In hand	Estimated Cost or Book Value Rs.	As.	Ps.
(1) Steam Launch Alexandra	2947	..	..
(1)A Twin Screw 70 ft long under construction in Kidderpore Docks.			
(2) Stern wheel Steamer Length 75' Breadth 14'	31000	..	..
(3) Stern wheel Steamer Length 75' Breadth 14'	30500	..	..
Total	Rs 64447	..	..
3 Steamers of value	64447	..	..

Wm. Ellis Captain RE
Executive Engineer

AB
27/11/87

The real value of the ~~old plant~~ "Alexandra" is considerably in excess of the book value

CHIEF ENGINEER
FOR IRRIGATION.
10 MAY. 1897
No R/65 Ks
/6.

SUPG. ENGINEER'S OFFICE,
No. 1140
3- MAY 97
P. W. D.
SECOND CIRCLE.

P.W. E.1/6253/97

B. Statement of

Steam Dredgers.

In hand	Estimated or Cost Book value Rs.	As	Ps.
3 Bucket Dredgers	8627	..	..
1 Cockburn Dredger mounted on Punt	4651	..	..
Under construction			
1 Cockburn Dredger ½ yd grab on Punt	15550 ~~14550~~	..	..
1. Cockburn Dredger ⅓ yd grab on Punt	13380 ~~14380~~	..	..
Total Rs.	42208	..	..

Wm. Ellis Captain R.E.

Executive Engineer

AK
27/4/97

Note

The true value of the old plant is considerably in excess of the "book value"

CHIEF ENGINEER FOR IRRIGATION.
10 MAY 1897
No. 2165

5

SUPG. ENGINEER'S OFFICE
No. 2746
3- MAY 97
P.W.D.
SECOND CIRCLE.

P.W. E.2 / 6253/97

C Statement of Scouring Dams

	Estimated or Book Value Rs.	As.	Ps.
In hand			
1 Mounted complete on Single Punt	4000	..	..
Under construction			
1 Mounted on Double Punts --	11300	..	..
1. Mounted on Single Punt ..	6300	..	..
Total Rs.	17654	..	..

Captain R.E.
Executive Engineer

27/4/97

CHIEF ENGINEER
IRRIGATION.
10 MAY 1897
R1657 L8
4

SUPG. ENGINEER'S OFFICE
No. 3/40
3- MAY 97
P. W. D.
SECOND CIRCLE.

P.W. E.3
6253/97

D Statement of

Punts, Barges, Staff Boats etc etc

Number of boats of each kind		Registered Tonnage Tons	Book Value Rs.	A.	P.
45	Iron Punts Various patterns	913	34562	..	..
32	Composite Punts	1012	19027	..	..
11	Officer's Staff Boats	.	9620	..	..
16	Subordinates' Staff Boats		11600	..	..
	Miscellaneous Boats (about)		2000	..	..
	Under construction 2 Iron Punts		9796	..	..
			86605	..	..

Captain R.E
30.4.97
Executive Engineer
Northern Division Kistna.

Note — The Ton value of most of the old Boats is considerably in excess of the book values.

CHIEF ENGINEER
FOR IRRIGATION.
10 MAY. 1897
No. 21678
3

SUPG. ENGINEER'S OFFICE,
No. 4146
3- MAY 97
P. W. D.
SECOND CIRCLE.

P.W. E.4 / 6253/97

Statement of annual average Cost of Repairs of Floating Plant from 1894 to 1896.

	Rs.	A.	P.
1. Steamer	3176	..	..
3. Bucket Dredges	2473	..	..
1. Cockburn Dredge	663	..	..
1. Scouring Dam	235	..	..
45 Iron Punts	11608	..	..
32 Composite Punts	13493	..	..
11 Staff Boats	1861	..	..
Miscellaneous	271	..	..
	33780	..	..
Add cost of repairs to Canal Ferry Boats (Ballacuts) for Kistna Eastern Division --	5341	..	..
Do. Do. Kistna Western Division	3196	..	..
Total annual expenditure on Repairs existing Floating Plant of all Kinds - - -	42317	..	..

CHIEF ENGINEER
FOR IRRIGATION.
10 MAY 1897
No. A 16574

2

SUPG. ENGINEER'S OFFICE,
No. 5140
3- MAY. 97
P. W. D.
SECOND CIRCLE.

P.W. E.4/625 3/97

No. 384 P. W.

P. W. D. Form No. 113
500—20-1-9

CHIEF ENGINEER
FOR IRRIGATION.
10 MAY 1897
A 16574

NOTES.

Reference to P. W. D. Code.

Chapter I, Para. 30.

1. All proposals for changes in the scales of permanent establishments must be accompanied by a statement in Part I of this form when the changes relate to the engineer or upper subordinate establishments and in other cases by a statement in Part II of this form.

2. The column headed "present scale" should invariably show the existing *sanctioned* scale (not the strength of the establishment as it actually stands at the time), and should be verified by the Examiner before the statements are forwarded to the sanctioning authority.

MADRAS PRESIDENCY.

Part I

Tabular Statement to accompany proposal for changes in establishments.

SUPG. ENGINEER'S OFFICE,
No. 6140
3- MAY. 97
P. W. D.
SECOND CIRCLE.

P.W. E.7/6253/97

P. W. D. Form No. 113.

Part II.

MADRAS PRESIDENCY.

P. W. D. Form No. 113

Part I.

Statement of proposition for revision of establishment.

Order sanctioning present establishment. Govt. of / P. W. D. No.	Date.	Office to which the proposition refers	Nature of changes. Present scale. No.	Designation.	Pay. Minimum.	Increment.	Maximum.	Average or fixed.*	Total cost.
					Rs.	Rs.	Rs	Rs.	Rs.
Provincial [illegible]	for 1897–98	Kistna Northern Div.	1	Boat Superintendent	..	..	..	50	
			1	Asst Anicut Supdt	..	..	..	40	
									90
				Total	..	..	..	..	90
		Total ..			..	..	..	..	..

Proposed scale. No.	Designation.	Pay. Minimum.*	Increment.	Maximum.	Average or fixed.*	Total cost.	Proposition. Permanent. Increase per month. Amount.	Decrease per month. Amount.	Temporary. Increase per month. Period.	Amount.	Decrease per month. Period.	Amount.	Remarks.
		Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Mon.	Rs	Mon.	Rs.	
1	Boat Supdt	150	5	200	187½	187½							
	Total	..	..	..	..	187½							
	Increase per month	..	..	..	..	97½							
	Total ..	..	..	..	..	..	..	..	..	..	..	..	

W. M. Baddeley

Magniac

Supg Engineer, II Circle

7.5.97

* In the case of appointments on progressive pay, the "average" should be calculated according to the rules in the Pay and Acting allowance code. C.S.R 164

Certified that the entries under the head "present scale" have been duly verified by me.

Dated the ________ 189 .

Examiner, P. W. Accounts,

Madras

Capt R.E.

Executive Engineer,

30.4.97

Dated the 1 . 5 . 1897

~~Kistna Northern~~ Division

Present
without enclos.

2 P

Letter from Captain W. M. Ellis R.E. Executive Engineer, Kistna Northern Dn. to the Supg Engineer, 2nd Circle, d/ 1st May 1897, No. 100 S.E.

As suggested in my No. 737 d/ 8.2.'97 I now submit a proposal for reorganising the Subordinate work establishment of this Division which has Bezwada for a permanent head quarters.

2. The present establishment is:-

(1) Workshop Superintendent, who has entire charge of the work shop and in addition all the boat repairs

(2) The anicut Superintendent. Charge of execution of all the works in Bezwada except Mangalrajapuram Quarry.

(3) Boat Superintendent. (Pay Rs 50) Charge of boats. Issues Licenses, Inspects Boats and takes periodical Soundings &c.

(4) Assistant Anicut Superintendent. Charge under the Anicut Supt: of works on the Seetanagaram Side. Had charge of the Seetanagaram Quarry till closed.

(5)

(5) Lock Superintendent Bezwada.

(6) Lock Superintendent Seetanagaram – Lately transferred from Western Dn. In charge of Regulation of Head Sluice by order of the Ex. Engineer Kistna Western as well as the Lock Traffic.

(7) Sub Overseer in charge of Magatrajapuram Quarry.

3. With regard to (1) (2) (5) (6) (7) I would propose no change. I propose however to abolish the post of Assistant Anicut Supt. and absorb the existing holder by putting him in charge of (7) Magatrajapuram Quarry in which there is a vacancy. Since the Seetanagaram Quarry has been closed there has been very little work for the Asst. Anicut Supt. So much so that he has been sent to do blasting on the Munyeru Project works.

4. I propose however that a post of Boat Superintendent should be removed from the list of Delta Superintendents, who are a class not suited for such a post; and that a competent mechanic with sufficient education to carry on office work satisfactorily be appointed Boat
+ 150 Superintendent. A salary of Rs 150 rising by annual increments of Rs 5/- to Rs 200/- is suggested as suitable. The present post carries a salary of Rs 50/- and
— 50 the Asst. Anicut Superintendent's
— 40 post is worth Rs 40/- so that the
90 proposal made involves an increased monthly charge of Rs 60/- rising in 10 years to Rs 110/-.

5. I have now some experience of this Dn. and have for a long time held the opinion that a man of the Delta Supts' class is quite out of place in the post of Boat Supt. which should include the supervision and direction of the steamers and dredgers and their operations. It is obvious that only a trained mechanic can efficiently do such work. The result has been that dredging has been conducted in

in a more or less haphazard style and all directions regarding the machinery and manning of dredges and Steamer has been under the Workshop Superintendent.

This Officer also has had the sole charge of all boats sent for repairs, whereas it appears obvious that the Boat Superintendent should look after such things and should be an expert in mechanics, and also if possible in Boat Building.

6. The large increase of the floating machinery which will become available this year, and the acknowledged want of further Supervision to the floating plant repairs has brought matters to a head.

The increases of floating machinery this year will be:

2 Stern Wheel Steamers
2 Cockburn Dredgers
2 Scouring dams.

The want of extra Supervision in the workshops has been treated of in this Office Nos: 209 S.E. d/ 8.7.96 and 452 S.E. d/ 2.11.96 and in G.O. No 2932 W d/ 14.10.96 & C.E.'s memo No 4098 C d/ 13.11.96, and + refers almost altogether to the repairs of floating plant.

+ int. recd.

Should such a man as I propose be appointed Boat Supt. I would give him charge of all the Boat repairs during the Closure at which time his other duties are in abeyance and no increase in the Workshops Establishment will be necessary or desirable.

7. It would further be a great advantage in case of the temporary absence from duty of the Workshop Superintendent to have a skilled mechanic at hand to carry on work, such aid being at present wanting.

I may mention that Mr Joyce, the present Workshops Superintendent here used to be Boat Supt. at Dowlaishweram, and this is precisely the Class of man we want.

8. I attach statements as per margin giving information regarding the number, values and

tonnage of Boats in my Dn. and the average cost of annual repairs of these and the Ferry boats from other Divisions. These annual repairs amount to Rs 42,000.

9. A proposition Statement is herewith.

No. 407 K.N.
7.5.97

Encls. 6

Forwarded to the Chief Engineer for Irrigation with a strong recommendation that the proposals of Captain Ellis R.E. be sanctioned.

R16518

2. With the considerable fleet of Steamers and dredges &c attached to this Circle in the Kistna District it is essentially necessary that the Boat Supt. should be a trained mechanic, accustomed to the use and repairs of small steam vessels.

3. A man of this class would also be of assistance in the management of the crews required for the various boats. He would in fact hold a very similar position to that occupied for many years by Captain Barber in the Godavery District.

W. C. Baddeley
Major R.E.
Supdg. Engr. II Circle

Ld. 7/5/97

P.W. E.8 / 6253/97

---

5 P

Endorsement of the Supg. Engineer, 2nd Circle,
No. 407 K.N. d/ 7th May 1897

No. X

will follow.

Forwarded to the Chief Engineer P.W.D. with reference to the Correspondence referred to in G.O. No. 146 I. dated 12th February 1897. I consider that more supervision is required at the Bezwada Shops but that it will not be always so and the mechanic whom it is now proposed to employ should be on the temporary Establishment.

Ootacamund
17th May 1897

W. Hughes
Chief Engineer for
Irrigation

To
The Chief Engineer
P. W. Dept.

a

Public Works (1897) Department.

Wrote Note 6

CURRENT No. 3624

From The Superintendg Engr 2nd Circle

Order

No. 80 K.N

Dated 7 April 1897
Received 9. 4. 97
Registered —
Enclosures —
Spare copies

SUBJECT.

Foreman, Bezwada workshops — Explaining the necessity for the entertainment of a —.

O.S. 103.

97 Supg Engr II Circle

BACK PAPERS.

No.	Date.
1919 C	3-4-97
4098 C	13-11-96
2982 W	14-10-96
581 W	12-3-95
365 W	6-2-92
1161 W	27-4-91

FURTHER PAPERS.

No.	Date.

SUPERINTENDIND ENGINEER'S OFFICE,
SECOND CIRCLE, Bezwada.

No. 80 K.N. Dated 7th April 1897

From,

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

To,

The Chief Engineer,
Public Works department.

Enclos:

Sir,

In reference to your No. 1919 C, of 3rd April 1897, I have the honor to point out that there seems to be a misunderstanding of the term "Office" work as applied to the Superintendent of a large workshop.

2. I endeavoured to make this point clear in para 3 of my letter No. 2159× K.N, of 7th November, 1896, to your address & I can only explain that additional clerical establishment is not what we want in the Bezwada Workshop. What

× N. 4098 C of 13.11.96

what is required, is a general foreman who will be chiefly employed in looking after the work in progress, thus leaving Mr Joyce, the Superintendent more time to attend to his professional duties of design & scrutiny of plans received from Public works Department officers for work to be carried out in the shops.

I have the honour to be,
Sir,
Your most obdt servt,

W. Baddeley Major R.E.
Superintending Engineer,
II Circle

Public works (1897) department
Current Number: 2118

IRRIGATION.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. 26.2. } 1897.
Regd. 26.2

Enclosures .

Spare copies .

G.O., No. 146 I., 12th February 1897.

FEBRUARY.

Floating Plant of the Kistna Delta System

Approving the estimate of the cost of maintaining the — for 1897-98 and referring the subject of the employment of a foreman in the Bezwada workshops for consideration in the General Branch of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From H. T. KEELING, Esq., Executive Engineer, Kistna Northern Division, to the Superintending Engineer, II Circle, dated 6th December 1896, No. 567/S.E.

I have the honour to forward herewith the annual floating plant statement of this delta showing the programme of repairs for 1897–98.

2. The amounts required to execute the programme are Rs. 25,335 for annual maintenance and Rs. 9,000 for special repairs.

3. The estimated requirements are nearly Rs. 10,000 in excess of the programme herewith submitted, and the whole of this sum comes under special repairs. As, however, Government have seen fit to refuse sanction to engage a foreman for the shops, I have not included these repairs in the programme, because the supervision available is insufficient to properly supervise the amount of work to be done at present. The result will of course be that, after the lapse of another year, Government will probably read between Rs. 14,000 and Rs. 15,000 for Rs. 10,000.

4. No provision is made for iron punt No. 19 as a Cockburn's dredger has been mounted on the punt and the cost of its maintenance is included in that of the dredger.

5. The provision made in G.O., No. 957 I., dated 12th November 1895, for the special repairs of five composite punts and for unforeseen special repairs sufficed only for the full repairs to punts 69—70 and 74, and No. 75 was partially repaired.

6. A re-valuation statement will be sent in as early as possible for the items against which *minus* or small values are shown.

7. A depreciation of 10 per cent. was last year written off item 1. Cockburn's dredge and iron punt No. 19, instead of 15 per cent. as ordered in G.O., No. 787 I., dated 13th October 1891. This has now been corrected and the correct value shown.

8. The statement has been delayed partly on account of the floods in August throwing work into arrears, partly owing to the Kistna Eastern Division taking some time to answer a reference on expenditure in past years, and partly because I delayed the statement until the question of a foreman for the shops was finally settled, as this question had an important bearing on the programme to be submitted.

Enclosures.

Statement of Irrigation floating plant in the Kistna district showing the estimated cost of upkeep during the year 1897–98.

Registered number.	Details of plant.	Value of plant.		Probable cost of upkeep for 1897 and 1898.	Remarks.
		Original value.	Present book value.		
	Part I.—Steamers and Steam dredges.				
		RS.	RS.	RS.	
1	Steamer Alexandria	* 14,125	2,177	1,510	The launch is in fair working order at present ; but boiler will require retubing and some of her hull plates will require removal next working season.
	Special repairs	..	770	300	
	Total ..	14,125	2,947	1,810	

* Original book value altered to agree with the figure noted in the Administration report.

Statement of Irrigation floating plant in the Kistna district, &c.—*cont.*

Register number.	Details of plant.	Value of plant.		Probable cost of upkeep for 1897 and 1898.	Remarks.
		Original value.	Present book value.		
	Part I.—Steamers and Steam dredges—cont.				
		RS.	RS.	RS.	
1	Dredge steam	15,614	1,841	480	In fair working order.
	Special repairs	..	288	..	
2	Dredge steam	15,614	1,841	480	
	Special repairs	..	288	..	
5	Dredge steam	30,439	3,765	670	
	Special repairs	..	604	..	
1	Cockburn's dredge	5,034	2,251	300	
	Special repairs	..	925		
	Value of iron punt No. 19	2,299	1,475		
	Total ..	69,000	13,278	1,930	
	Maintenance	..	..	1,930	
	Part II.—Boats and Punts.				
1	Iron punt	2,812	— 136	245	In working order.
	Special repairs	..	58	..	
2	Iron punt	2,811	500	245	Under repairs.
3	Do.	2,812	389	245	Require extensive repairs.
	Special repairs	..	834	500	
4	Iron punt	2,812	2,000	245	
	Special repairs	..	313	500	
5	Iron punt	2,812	38	245	
	Special repairs	..	130	500	
6	Scouring dam	..	..	245	In working order.
7	Iron punt	2,812	158	245	Requires extensive repairs.
	Special repairs	..	107	500	
8	Iron punt	2,812	1,500	245	In working order.
	Special repairs	..	45	..	
9	Iron punt	2,812	1,500	245	
	Special repairs	..	67	..	
10	Iron punt	2,812	— 114	245	
	Special repairs	..	140	..	
11	Iron punt	2,811	16	245	
	Special repairs	..	82	..	
12	Iron punt	2,811	266	245	
	Special repairs	..	9	..	
13	Iron punt	2,811	2,030	245	
14	Do.	2,811	1,500	245	Require extensive repairs.
	Special repairs	..	..	500	
15	Iron punt	2,811	— 126	245	
	Special repairs	..	9	500	
16	Iron punt	3,610	2,249	170	In working order.
18	Do.	2,186	1,038	245	
19	Do.	2,185	1,000	245	
20	Do.	2,172	655	245	
	Special repairs	..	84	..	
21	Iron punt	2,172	1,073	245	
22	Do.	2,172	955	245	
	Special repairs	..	41	..	
23	Iron punt	3,951	1,080	245	
	Special repairs	..	758	..	
24	Iron punt	2,172	211	245	Require extensive repairs.
	Special repairs	..	..	500	
25	Iron punt	4,091	436	245	
	Special repairs	..	95	500	
26	Iron punt	2,299	67	245	Under repairs.
	Special repairs	..	43	..	
27	Iron punt	5,916	1,560	245	In working order.
	Special repairs	..	218	..	
28	Iron punt	1,584	800	190	Require extensive repairs.
	Special repairs	..	..	400	
29	Iron punt	1,524	1,100	190	In working order.
30	Do.	1,524	284	190	
31	Do.	2,181	217	190	Under repairs.
32	Do.	1,960	84	190	Requires extensive repairs.
	Special repairs	..	832	400	
33	Iron punt	1,960	408	190	In working order.
	Special repairs	..	114	..	
34	Iron punt	1,960	84	190	Requires extensive repairs.
	Special repairs	..	..	400	
35	Iron punt	400	101	190	Under repairs.
36	Do.	400	239	190	Require extensive repairs.
	Special repairs	..	..	500	
37	Iron punt	250	150	190	
	Special repairs	..	..	..	
38	Iron punt	1,400	— 17	190	
	Special repairs	..	..	..	

Statement of Irrigation floating plant in the Kistna district, &c.—*cont.*

*Part II.—Boats and Punts—*cont.

Register number.	Details of plant.	Value of plant. Original value.	Value of plant. Present book value.	Probable cost of upkeep for 1897 and 1898.	Remarks.
		RS.	RS.	RS.	
41	Iron punt	4,063	1,056	265	In working order.
42	Do.	4,171	1,068	265	
	Special repairs	..	459	..	
43	Iron punt	4,242	1,184	265	
	Special repairs	..	40	..	
	Total ..	99,907	31,309	14,380	
	Special repairs	..	..	5,200	
	Maintenance	..	..	9,180	
17	Circular trap punt	1,200	1,342	170	Under alteration.
39	Iron punt, small	250	89	50	
40	Trap punt, iron	3,652	1,822	220	In good order.
	Maintenance	..	..	440	
	Anicut paddle boat	900	60	150	Under repairs
	Anicut pinnace	224	159	55	Requires extensive repairs.
	Special repairs	..	..	..	
	Total ..	224	159	55	
	Special repairs	..	..	..	
	Maintenance	..	..	55	
44	Composite punt	2,500	950	300	
	Special repairs	..	554	..	
45	Composite punt	2,500	950	300	
	Special repairs	..	503	..	
46	Composite punt	2,500	1,200	300	
47	Do.	2,288	154	300	
	Special repairs	..	146	..	
48	Composite punt	2,287	1,200	300	
	Special repairs	..	393	..	
49	Composite punt	2,287	900	300	
50	Do.	2,160	263	300	
51	Do.	2,160	481	300	
52	Do.	2,160	77	300	In working order.
	Special repairs	..	93	..	
53	Composite punt	2,160	— 60	300	
54	Do.	2,055	1,000	300	
55	Do.	1,900	331	300	
56	Do.	2,013	518	300	
57	Do.	2,075	446	300	
	Special repairs	..	80	..	
58	Composite punt	2,085	518	300	*Vide* remark on the reverse.
59	Do.	2,156	103	300	
60	Do.	2,064	224	300	
	Special repairs	..	..	500	
61	Composite punt	2,168	156	300	
	Special repairs	..	..	500	
62	Composite punt	2,169	159	300	
	Special repairs	..	..	500	
63	Composite punt	2,164	182	300	
	Special repairs	..	..	500	
64	Composite punt	2,266	242	300	These boats are in working order; but are weak and must be strengthened.
	Special repairs	..	..	500	
65	Composite punt	2,238	132	300	
	Special repairs	..	468	500	
66	Composite punt	3,000	1,400	330	In working order.
	Special repairs	..	232	..	
67	Composite punt	3,000	1,600	330	
	Special repairs	..	158	..	
68	Composite punt	3,000	449	330	
	Special repairs	..	89	..	
69	Composite punt	2,600	207	330	
70	Do.	2,600	1,020	330	
	Special repairs	..	141	..	
71	Composite punt	2,600	— 132	330	In working order, but are weak and must be strengthened.
	Special repairs	..	..	500	
72	Composite punt	2,600	— 32	330	In working order.
	Special repairs	..	58	..	
73	Composite punt	2,600	260	330	
74	Do.	2,600	224	330	
75	Do.	3,811	724	330	
76	Do.	2,553	266	330	
	Total ..	79,319	19,027	13,730	
	Special repairs	..	..	3,500	
	Maintenance	..	..	10,230	

Statement of Irrigation floating plant in the Kistna district, &c.—*cont.*

Register number.	Description of boats.	Value of plant. Original.	Value of plant. Present book value.	Probable cost of upkeep for 1897 and 1898.	Remarks.
11	Staff boat	1,621	142	190	Require extensive repairs.
	Special repairs	..	..	..	
12	Staff boat	1,621	1,100	190	
	Special repairs	..	..	..	
14	Staff boat	1,355	57	160	
	Special repairs	..	..	..	
15	Staff boat	1,898	720	190	In working order.
16	Do.	1,556	305	160	Requires extensive repairs.
	Special repairs	..	..	..	
17	Staff boat	990	280	160	
	Special repairs	..	..	..	
18	Staff boat	2,486	1,740	190	In working order.
19	Do.	1,815	1,513	160	Requires extensive repairs.
	Special repairs	..	..	..	
20	Staff boat	2,271	1,893	190	In working order.
	Special repairs	..	..	..	
21	Staff boat	1,721	1,435	160	Requires extensive repairs.
	Superintending Engineer's camp clerk's boat.	359	435	90	In working order.
	Total ..	17,693	9,620	1,840	
	Maintenance	..	..	1,840	
	Special repairs	..	..	..	

Note for present book values of iron punts Nos. 4, 8, 9, 14, 19, 28, 29, 37 and composite punts Nos. 46, 48, 49 and 54 and staff boat No. 12—*see* G.O., No. 274 I., dated 23rd March 1896.

Abstract showing the comparison of details between the estimated maintenance cost of floating plant in Kistna district for 1896–97 and 1897–98.

—	Numbers. 1897–98.	Numbers. 1896–97.	Original values. 1897–98.	Original values. 1896–97.	Present book values. 1897–98.	Present book values. 1896–97.	Cost of upkeep. 1897–98.	Cost of upkeep. 1896–97.
			RS.	RS.	RS.	RS.	RS.	RS.
Steamers	1	1	14,125	13,131	2,947	3,589	1,810	2,510
Dredges	4	4	69,000	69,000	13,278	21,391	1,930	2,175
Iron punts	40	40	99,907	99,907	31,309	24,657	14,380	11,680
Composite punts	33	33	79,319	79,319	19,027	19,034	13,730	13,230
Iron punt, small	1	1	250	250	89	114	50	250
Trap punt	1	1	3,652	3,652	1,822	2,187	220	220
Circular trap punt ..	1	1	1,200	1,200	1,342	1,462	170	2,170
Anicut paddle boat ..	1	1	900	900	60	150	150	350
Anicut pinnace	1	1	224	224	159	181	55	55
Staff boats	11	11	17,693	17,758	9,620	9,888	1,840	2,240
Total ..	94	94	2,86,270	2,85,341	79,653	82,650	34,335	34,880
Maintenance	..	..	..	..	..	..	25,335	..
Special repairs	..	..	..	..	..	..	9,000	..

DETAILED approximate estimate of the annual cost of maintenance of irrigation floating plant in Kistna district during 1897–98.

	Steamer " Alexandria."	Dredges Nos. 1 and 2 at Rs. 480 each.	Dredge No. 5 at Rs. 670 each.	Cockburn's dredge.	Iron punts Nos. 1 to 15 and 18 to 27 at Rs. 245 each.	Iron punt No. 16.	Iron punt No. 17, circular trap punt.	Iron punts Nos. 28 to 38 at Rs. 190 each.	Iron punt No. 39, small.	Trap punt No. 40.	Iron punts Nos. 41 to 43 at Rs. 265 each.	Composite punts Nos. 44 to 65 at Rs. 300 each.	Composite punts Nos. 66 to 76 at Rs. 830 each.	Anicut paddle boat.	Anicut pinnace.	Superintending Engineer's camp clerk's boat.	Staff boats Nos. 11, 12, 15, 18, 20 at Rs. 190 each.	Staff boat Nos. 14, 16, 17, 19, 21 at Rs. 160 each.
Docking and launching	30	16	16	16	15	8	15	15	8	15	15	24	24	6	5	4	15	10
Painting	84	42	70	32	32	23	49	28	14	47	45	..	..	33	9	..	..	..
Caulking	28	22	90	33	38	25	20	22	..	25	40	99	107	28	14	21	66	55
Tarring	..	33	25	16	16	11	21	10	6	20	21	..	..	3	3	6	10	8
Staker	36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Serang	75	53	53	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lascars	107	80	90	64	4	4	8	4	4	24	4	8	8	4	..	8	21	21
Ropes	15	8	8	8	5	5	5	5	4	5	5	5	5	5	2	6	12	10
Sundry repairs	200	132	189	68	94	65	23	73	5	46	90	110	129	44	12	28	32	30
Miscellaneous	50	14	14	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Centage and contingencies ..	135	80	115	50	41	29	29	33	9	38	45	54	57	27	10	17	34	26
Expenses for use by Departmental officers	750	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,510	480	670	300	245	170	170	190	50	220	265	300	330	150	55	90	190	160

(Signed) H. T. KEELING,
Ex. Engr., Kistna Northern Division.

No. 2588 K.

Forwarded to the Chief Engineer for Irrigation in reference to his reminder, dated 5th November 1896.

Copies of this office No. 1505 K.N., dated 5th September 1896, and No. 2159 K.N., dated 7th November 1896, to the Chief Engineer, General Buildings and Roads Branch, on the subject of a foreman for the workshops at Bezwada are also forwarded with the Chief Engineer's replies thereto.

2. The undersigned can only again urge that the workshops should have more supervision, as it is an absolute impossibility for Sub-Conductor Joyce to do all that is required. Experience has proved that the repairs to the boats and floating plant could be economised if there was a reliable man to supervise the work.

3. A comparison of cost of supervision in the three Public Works workshops, Madras, Dowlaishweram and Bezwada, will show that the last-named with the largest outturn has the least supervision.

(Signed) H. T. KEELING,
for Superintending Engineer, II Circle.

14th December 1896.

No. 20 I.

Submitted to Government. The estimated cost of upkeep for the ensuing year is Rs. 545 less than the current year's estimate.

2. The Superintending Engineer, II Circle, again urges the necessity for a foreman for the workshops at Bezwada, sanction to whose employment was not accorded in G.O., No. 2932 W., dated 14th October 1896. The Chief Engineer for Irrigation begs to recommend that the order be reconsidered in the light of the further explanation given by the Superintending Engineer.

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

2nd February 1897.

ORDER—No. 146 I., dated 12th February 1897.

The estimate of the cost of maintaining the floating plant of the Kistna Delta System is approved; Rs. 34,335 will be provided on this account in the budget estimates for " Major Works " for 1897–98.

2. Orders will be passed in the General Branch, Public Works Department, on paragraph 2 of the note by the Chief Engineer for Irrigation on the subject of the employment of a foreman in the Bezwada workshops.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" " " Public Works Department.
" Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.

Exd. Shaik Karim.

Public Works (1896) Department.

AB/

CURRENT No. 10116

quote no & date only

For
Orders with reference to
His Excy's note of 24-9-96.
on the cancelled draft
flagged B.

From Major W. L. C. Baddeley R.E.
Superintending Engr
II Circle

No. 2159 K.N

ws

W

I do not think that S C
has made out well a strong
case than at in [illegible]
& [illegible] take it [illegible] again in
[illegible] of the [illegible] [illegible]

12/11/96

Dated 7 November 1896
Received 10-11-96
Enclosures -
Spare copies

SUBJECT.

Foreman Bezwada workshops — Giving some more reasons for the requirement of a —,

BACK PAPERS.

G.O.	No.	Department.	Date.
	2932 W	P.W.D.	14.10.96
	581 W	—"—	12.3.95
	365 W	—"—	6.2-92
	1161 W	—"—	27.4-91

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Superintending Engr's Office,
2nd Circle.

No. 2159 K.N Dated 7 November 1896

From

Major W. L. C. Baddeley R.E.
Superintending Engineer,
2nd Circle.

To

The Chief Engineer,
Public works Department.

Sir

In reference to G.O. No. 2932 W / 14-10-96, I have the honor most respectfully to ask for a further consideration of the matter.

2. The workshops at Bezwada turn out more work than any other P.W.D. workshop in the Presidency & I doubt if any private firm has the same out-turn, certainly not the same variety of jobs.

3. The office work of the Superintendent is chiefly Engineering work viz, the preparation of designs & scrutiny

of

of plans for works, & for this purpose clerical establishment is useless.

4. I have no hesitation in saying that a general Foreman is most necessary, and I believe the appointment would be a great economy, if we can obtain the right sort of man; but to do this there must be some reasonable hope of permanency in the post.

5. In addition to this, it is most desirable that a man should be available to take the place of Sub-Conductor Joyce when that officer retires, and in a workshops with such variety of work it takes some years for a man to be really efficient.

6. At present we are dependent on the Godavary workshops for most of our heavy castings, a most undesirable arrangement which has already caused loss & trouble, & as to remedy this, a cupola is now being built, this in itself is a strong reason for additional Engineering Supervision; which now has no link between the Superintendent and the maistries.

I have the honor to be,
Sir,
Your most obdt. Servt.
W. C. Baddeley Major R.E.
Superintending Engineer
II Circle