PUBLIC WORKS DEPARTMENT.

No 1384 W dated 10th June 1895.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Supdg. Engineer Cr circle No 1995 dy 17th May 1895

The revised estimate, amounting to Rs 15050 for constructing a Deputy Tahsildar's office at Tangasseri in the Malabar District is sanctioned in supersession of the estimates of Rs 13,420 and Rs 650 sanctioned in G.O. Nos 2814 W and 416 W dated 6th November 1894 and 19th Febmary 1895 respectively.

W
7 June

2. It is observed that there is an allotment of Rs 11,070 for the work in the current official year which will be augmented on applic-

=cation

(40—4,000—14-3-95.)

application if necessary.

3. This sanction has been registered as Provincial No 28 W of 1895-96, and classified as Lemil Buildings Original Works.

Remitted estimate for the Dy Tahsildar's office at Tanjore ... the Malabar Dt

CGM 31/5/95

T 13

The Secretary to Govt. Revenue Dept for favour of consideration.

DESPATCHED 19 JUN. 95

The S.R. IV circle with 1 encl.
" Exar P.W. Accts.
" Revenue Deptt

3904

Govt. of 1895 Madras.

PUBLIC WORKS.

Dated

Read. Encl.

G.O. 10 June 1895 No. 1384 W.

Deputy Tahsildar's Office at Tangasseri.

—

Revised Estimate of Rs. 15,050 for Constructing a — in the Malabar District sanctioned with remarks.

—

90/4

INDEXED

Tc 4/6

wait

From

The Supg Engineer

Second Circle

To The Chief Engineer

For Irrigation

Dated 4 May 1895

No. 304 KS.

CHIEF ENGINEER FOR IRRIGATION No. 3680 Rec'd 6 MAY 95

20 1233 C 23.3.95
. 1235 C 23.3.95
. 1536 C 10.4.95

Recd 13.5.95

N. 304 Ks dated 10 May 1895

Forwarded to the Chief Engineer P.W.D. for recommendation to Government. The Executive Engineer has shewn valid reasons why this important work of River Conservancy should be dealt with systematically and continuously which can only be done by an agency specially reserved for that purpose. The cancelment of the transfer of the Superintendor S. Panchapigasa Iyer as asked for is also recommended.

J W Smyth

for Chief Engineer for Irrigation

Kistna river Conservancy Works —

Forwards for favour of orders copy of letter from the Exc: Engineer K W Dn stating that it would be advisable to form a separate Sub Divn for the charge of the — with remarks

O.S. 79
R 10/6.

CWDN 16 95 F

cancelled, it would be a distinct advantage to retain him for the charge of the new Sub Division, for, the Kistna is by no means an easy river to manage, and a new man will make mistakes from want of local knowledge.

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

13-5-95

No. 304 KS
4.5.95

Forwarded to the Chief Engineer, for Irrigation, for favour of orders.

2. The undersigned strongly recommends the formation of a river Sub Division, for there is a great deal of work to be done, and as pointed out by Mr. Malet, the nature of the work requires constant Supervision.

3. The work done up to date, in dealing with sets has been successful, but it will take several years to train the rivers, and unless the work is to be continued systematically, it is useless to go on with it.

4. If the transfer of Supervisor Panchapakesa Iyer, could be

the exposure, the necessity for ~ campings in villages along the river and the necessity that there often is for travelling with a small equipment in a country boat, I consider that the Sub Division Officer should be a native.

An honest, active Upper Subordinate of the Supervisor's grade would meet the case and I would recommend Supervisor S. Panchapagesa Iyer as particularly fitted for the post. He is well acquainted with the river and has had a great deal of experience in river training works. Overseer P.A. Venkatrama Iyer who is now employed on the work should be retained on it and another Overseer should be appointed

10. I wished to get the Charts before sending in this report but as I consider the matter is urgent, I do not think it is advisable to wait

Letter from the Executive Engineer Kistna Western Division, to the ~ Superintending Engineer, 2nd Circle No. 45-S dated 27th April 1895.

I have the honour to bring to your notice that I consider it would be advisable to form a Separate Sub Division for the charge of the Kistna River Conservancy works.

2. The river conservancy Act was brought into force in September 1894. and since then, the whole of the bed of the river and also the right embankment below the Anicut at Bezwada has been incorporated into this Division.

With the exception of a little work here and there especially on the right side (where there is a Bank Canal) where the action of the river was threatening the Flood Banks and Bank Canal the River has hitherto been ~ entirely neglected.

10.

3. The work to be done is -

(1) To lay down a final alignment for both banks of the river on the chart.

(2). To undertake annually such work as funds will allow with a view to ultimately obtaining this final alignment.

(3). To maintain the river Charts and Registers up to date.

(4). To regulate cultivation within the river limits whilst works are in progress.

(5). To manage and get the best value out of a large and probably annually increasing area of Government Lanka land, reclaimed from the river bed, until such land is brought into a fit state for permanent cultivation.

(6) To maintain the rivers in an efficient state whenever the final alignment has been worked up to.

(7) To maintain and improve the Flood Bank on the right side of the river

(4) The only agent that can be employed to carry out the alterations that have to be effected in the alignment of the river is the River itself.

Any fore-cast of the time or outlay required to carry out the required work, must necessarily, when dealings with such an erratic and irresponsible agent, be uncertain and tentative.

From my experience of the right side of the river for the last 4 years and from a recent inspection of the whole river, I consider that if anything really effective is to be done within a moderate time an annual grant of about Rs 75,000

Should

Should be made for River Conservancy work alone for some years.

5. The work is of a nature particularly open to speculation and constant and strict supervision is essential.

I have in the last few months submitted Estimates aggregating Rs 68,970 in connection with 14 Sets representing about one year's work. Of this sum Rs 21,100 is for watering alone - This proportion of watering charges is unduly heavy and is not likely to occur again; next year the establishment will be in working order and planting will be carried out earlier and will require less watering.

I have hitherto been unable to get Contractors to take up the watering of plantations. They will take up the planting but the watering has to be done departmentaly.

If a Contractor took up the formation of a plantation including watering, payment could only be made by results and the risks against a plantation growing sufficiently well to warrant a full payment are so great that no Contractor will even try it.

An improvement may be effected hereafter and economy in watering may be effected in other ways, but the fact remains that with this work there always must be a considerable departmental expenditure which should be carefully supervised and checked.

6. As soon as the Act was brought into force, I recognised that the River work could no longer be left under the Eastern Sub Division Officer, who had quite as much as he could do without it.

I took charge of it myself and put an Overseer in immediate charge

Should be made for River Con-

of the work under the general
orders of Superviser S. Panchapagesa
Iyer who also had charge of the
Bank Canal works. I have found
that this establishment is altogether
insufficient.

My other duties render it im-
possible for me to inspect the
river works more than about once
in Six months and all I can do
is to give instructions as to the
nature of the work to be done and
see on inspection that the work
is carried out in accordance
with my orders. The Supervisor
having most of the Bank Canal
works to attend to is unable to
exercise any efficient control or
check over departmental expenditure.

The overseer is only able to go
round the works about once in
20 or 25 days and nearly all his
time is taken up in making payments.

7. The work is not yet in full
swing. The charts have not been
issued and when they are, a
great deal of time and efficient
Establishment will be required to
correct them and the Registers. The
Zamindars and ryots have been
in the habit of cultivating accretions
and reformations planting navel &c.
Establishment for the regular patrol
and inspection of the river is
required. This is particularly
necessary in Zamindaries. The
action and direction of currents,
during Floods, and flood levels
have to be observed and recorded.
Applications to cultivate under the
act have to be attended to and
reported on.

Reports have to be made in connection
with notices for the removal of obstruc-
tions, plantation &c. under the act.

Surveys to correct the Chart will
be

be a standing employment, and a series of annual cross sections will probably be required.

The preparation of Estimates is no light matter, and the progress made each year towards attaining the ultimate alignment has to be recorded in the Charts. A considerable Revenue from cutting reed, grazing rights and temporary cultivation is anticipated, and requires Establishment to look after and regulate it.

8. A great deal more might be written regarding the details of the work but I venture to submit that I have already shown the necessity for a Sub-Division and excluding Establishment charged to works, I would ask for.

one Sub Division Officer.

Two Upper Subordinates.

9. Owing to the nature of the work the

PUBLIC WORKS DEPARTMENT.

No. 1383 W. dated 10th June 1895

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Endt: by the Supt. Engineer II Circle in letter from the Executive Engineer, Kistna Western Dn. No. 45 S. dated 27.4.95 } No. 304 KS. dated 4.5.95.

Endt. thereon by the Chief Engr. for Irrign. No. 3042 W. dated 10.5.95.

Under the circumstances explained H.E. the Governor in Council sanctions the formation of a separate Sub division in the Kistna Western Division for the charge of river conservancy. The new sub division will be called the "River Conservancy Sub division".

6 / 7 June

DESPATCHED 21 JUL 95

I.

The Chief Engr. for Irrign.

S. E. II Circle

Exam. P.W. Accts.

CH MS 6/6 95

(40—1,000—21-4-94.)

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers:—

From the Executive Engineer, Kistna Western Division, to the Superintending Engineer, II Circle, dated 27th April 1895, No. 45 S.

I have the honour to bring to your notice that I consider it would be advisable to form a separate sub-division for the charge of the Kistna River Conservancy works.

2. The River Conservancy Act was brought into force in September 1894, and since then the whole of the bed of the river and also the right embankment below the anicut at Bezwada has been incorporated into this division.

With the exception of a little work here and there, especially on the right side (where there is a Bank canal) where the action of the river was threatening the flood banks and Bank canal, the river has hitherto been entirely neglected.

3. The work to be done is—

(1) to lay down a final alignment for both banks of the river on the chart;
(2) to undertake annually such work as funds will allow with a view to ultimately obtaining this final alignment;
(3) to maintain the river charts and registers up to date;
(4) to regulate cultivation within the river limits whilst works are in progress;
(5) to manage and get the best value out of a large and probably annually increasing area of Government lanka land reclaimed from the river bed, until such land is brought into a fit state for permanent cultivation;
(6) to maintain the river in an efficient state whenever the final alignment has been worked up to;
(7) to maintain and improve the flood bank on the right side of the river.

4. The only agent that can be employed to carry out the alterations that have to be effected in the alignment of the river is the river itself.

Any forecast of the time or outlay required to carry out the required work must necessarily, when dealing with such an eratic and irresponsible agent, be uncertain and tentative.

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I have in the last few months submitted estimates aggregating Rs. 68,970 in connection with fourteen sets representing about one year's work. Of this sum Rs. 21,100 is for watering alone. This proportion of watering charges is unduly heavy and is not likely to occur again; next year the establishment will be in working order and planting will be carried out earlier and will require less watering.

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If a contractor took up the formation of a plantation including watering, payment could only be made by results, and the risks against a plantation growing sufficiently well to warrant a full payment, are so great that no contractor will even try it.

An improvement may be effected hereafter and economy in watering may be effected in other ways, but the fact remains that with this work there always must be a considerable departmental expenditure, which should be carefully supervised and checked.

6. As soon as the Act was brought into force, I recognized that the river work could no longer be left under the Eastern Sub-division officer, who had quite as much as he could do without it.

I took charge of it myself and put an overseer in immediate charge of the work under the general orders of Supervisor S. Panchapagesa Iyer, who also had charge of the Bank canal works. I have found that this establishment is altogether insufficient.

My other duties render it impossible for me to inspect the river works more than about once in six months and all I can do is to give instructions as to the nature of the work to be done and see on inspection that the work is carried out in accordance with my orders. The Supervisor, having most of the Bank canal works to attend to, is unable to exercise any efficient control or check over departmental expenditure.

The overseer is only able to go round the works about once in 20 or 25 days and nearly all his time is taken up in making payments.

7. The work is not yet in full swing. The charts have not been issued and when they are, a great deal of time and efficient establishment will be required to correct them and the registers. The zemindars and ryots have been in the habit of cultivating accretions and reformations, planting nanel, &c., establishment for the regular patrol and inspection of the river is required. This is particularly necessary in zemindaris. The action and direction of currents during floods, and flood levels have to be observed and recorded. Applications to cultivate under the Act have to be attended to and reported on.

Reports have to be made in connection with notices for the removal of obstructions, plantation, &c., under the Act.

Surveys to correct the chart will be a standing employment, and a series of annual cross sections will probably be required.

The preparation of estimates is no light matter and the progress made each year towards attaining the ultimate alignment has to be recorded in the charts. A considerable revenue from cutting nanel, grazing rights and temporary cultivation is anticipated and requires establishment to look after and regulate it.

8. A great deal more might be written regarding the details of the work, but I venture to submit that I have already shown the necessity for a sub-division, and excluding establishment charged to works, I would ask for one Sub-division officer, two Upper Subordinates.

9. Owing to the nature of the work, the exposure, the necessity for camping in village along the river and the necessity that there often is for travelling with a small equipment in a country boat, I consider that the Sub-division officer should be a native.

An honest, active Upper Subordinate of the Supervisor's grade would meet the case and I would recommend Supervisor S. Panchapagesa Iyer as particularly fitted for the post. He is well acquainted with the river and has had a great deal of experience in river training works. Overseer P. A. Venkatrama Iyer, who is now employed on the work, should be retained on it and another overseer should be appointed.

10. I wished to get the charts before sending in this report, but as I consider the matter is urgent, I do not think it is advisable to wait any longer.

No. 304 K.S.

Forwarded to the Chief Engineer for Irrigation, for favour of orders.

2. The undersigned strongly recommends the formation of a river sub-division; for, there is a great deal of work to be done, and as pointed out by Mr. Malet the nature of the work requires constant supervision.

3. The work done up to date in dealing with sets has been successful, but it will take several years to train the river, and unless the work is to be continued systematically, it is useless to go on with it.

4. If the transfer of Supervisor Panchapagesa Iyer could be cancelled, it would be a distinct advantage to retain him for the charge of the new sub-division, for, the Kistna is by no means an easy river to manage, and a new man will make mistakes from want of local knowledge.

4th May 1895. (Signed) W. L. C. BADDELEY, Major, R.E.,
Superintending Engineer, II Circle.

No. 30 E.W.

Forwarded to the Chief Engineer, Public Works Department, for recommendation to Government. The Executive Engineer has shown valid reasons why this important work of river conservancy should be dealt with systematically and continuously which can only be done by an agency specially reserved for that purpose. The cancelment of the transfer of the Supervisor S. Panchapagesa Iyer as asked for is also recommended.

10th May 1895. (Signed) T. W. S. SMYTH,
for Chief Engineer for Irrigation.

ORDER—dated 10th June 1895, No. 1383 W., Public Works.

Under the circumstances explained, His Excellency the Governor in Council sanctions the formation of a separate sub-division in the Kistna Western division for the charge of river conservancy. The new sub-division will be called the "River Conservancy sub-division."

(True Extract.)

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

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

Exd. Shaik Karim.

Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated June, 10th.

Read. *Encl.*

G.O., 10th June 1895, No. 1383 W.

JUNE.

Kistna Western Division

The formation of a new sub-division called the "River Conservancy sub-division" in the —, sanctioned.

3680

Govt. of 1895 Madras.

PUBLIC WORKS.

21

Dated

Recd. Encl.

G.O. 10. June 189 5 No. 1383-W.

Kistna Western Division

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Re formation of a new subdivision called the River Conservancy Subdivision No. I, sanctioned

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INDEXED.

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