M.R.O. :—77,000—8-8-32.

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

[illegible] DEPARTMENT.

G.O. No. [illegible] Press Ms.

Dated [illegible] 19[illegible]

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 14th October 1872.

No. 230. Read the following letter from the Acting Superintending Engineer, 1st Division, to the Acting Chief Engineer for Irrigation and Joint Secretary to Government, Public Works Department, dated Dowlaishweram, 29th August 1872, No. 2,010:—

WITH reference to paragraph 3 of G. O. of the 26th July 1872, No. 1,786, I have the honour to report, for the information of Government, that surveys have been made of the river-bank in the Eastern and Western Deltas; but in the Central Delta the west bank only has been completed. The east bank not being so important, I deferred its survey as our hands were fully occupied.

2. Two or three years' observations are not sufficient to show marked changes except when great breaches occur, and as the Range Officers have been so frequently and suddenly changed, it has been impossible for them to work together; but I have made my own observations by frequent inspections, and if the progress of works is not put a stop to by needless changes, the river-banks can be got into order in the course of a few years. It is impossible to rectify the utter neglect of so many years in a short time and with a constant change of the best officers and subordinates.

3. I take this opportunity of soliciting the Government for a permanent staff of Surveyors to be attached to this district at a monthly cost of Rupees 150. The Lascars' pay, travelling batta, etc., can be provided for out of Repairs, Agricultural, during the working season; but it is very advisable to retain men who have acquired a knowledge of the river and its banks. In the Eastern Delta a Surveyor has not only the river-banks to attend to, but after each monsoon-season the river-bed above the anicut has to be properly surveyed in, and he should be able to observe and note all the changes; in the Western and Central Deltas the banks only have to be surveyed; but in the latter the extent of banking is very great, embracing both sides of the delta proper and the Nagarum Island.

4. I have already supplied the Government with a map of the river-bed above the anicut which has been lithographed; this will give an idea of the competency of the man who prepared the surveys, and whose services I would wish to retain.

5. These men, besides surveying the river-banks, are employed in taking levels, making surveys for the Range Officers whenever required; and, in order to ensure the greatest accuracy possible, it is far better to keep the men in permanent employ, so that after they have acquired a good knowledge of the several localities, they may not be liable to leave for employment in other departments or services.

No. 231. ORDER THEREON, 14th October 1872, No. 2,411.

ESTABLISHMENT, No. 22.

IN his letter No. 2,010, dated 29th August, the Acting Superintending Engineer of the 1st Division reports that three of the four banks of the two main branches of the Godavery have been surveyed, and that the eastern bank in the Central Delta has not been surveyed, as it was

not of so much importance as the other banks; and as the members of the department and the Surveyors have been fully occupied.

2. The Government observe that a special establishment was sanctioned in February 1871 for the survey of these banks for a period of four months, and if the period for which the establishment was sanctioned proved to be insufficient, a supplemental sanction should have been solicited.

G. O. No. 377, dated 7th February.

3. The rectification of the beds of large rivers, such as the branches of the Godavery, can only be undertaken satisfactorily after a survey of the river on a large scale has been laid down and the probable effects of defensive works on one bank can be traced on the other bank or on the shoals or islands; it is not clear, therefore, how one bank can be regarded as of less importance than the others, while, until the surveys of the river are carefully laid down, the protective works carried out are likely only to be of local and temporary service, and not to form a part of the larger scheme for the rectification of the beds of the rivers. His Excellency the Governor in Council is therefore disappointed to learn that the charts of the branches of the Godavery have not yet been completed. The Superintending Engineer will report what portion of the allotment made in G. O. No. 377 was expended upon the river-charts; and if the three Surveyors and twelve Lascars sanctioned for employment in the Godavery District in 1872-73 in G. O. No. 1,618 of 4th July 1872 are fully employed, and one of the establishments cannot be detached for the completion of the river-charts, the Superintending Engineer is authorized to entertain a Surveyor and establishment not exceeding the strength noted in the margin, and sanctioned in G. O. No. 377, dated 7th February 1871; and he will report the period for which this establishment will be required to complete the charts of the two branches of the river.

		Rs.
1 Surveyor	...	60
6 Lascars, at Rupees 6	...	36
Contingencies	...	5
		101

4. His Excellency in Council deems it inexpedient to attach a permanent staff of Surveyors to the Godavery District. No such establishment forms a part of the permanent establishment of the Department Public Works, and all aid of the nature required can be supplied, as is now done, from funds specially provided for temporary establishments. The work for which the proposed establishment is stated to be required appears to be of a nature such as would necessarily be undertaken during the dry season, when the services of efficient members of the large conservancy establishment appertaining to the Godavery Delta might be made available for it. Many of these men, it is observed from the statements recorded in G. O. No. 1,525 of 13th May 1868, draw large salaries, and they should be able to carry out surveys, etc.; and if they are not capable of performing such duties, their services should be dispensed with, and efficient men should be appointed.

5. When an establishment is required it should be applied for in the proper form; the number of persons to be employed and their salaries being stated. The Government, even had they approved of the appointment of a permanent establishment of Surveyors for the Godavery District, could not have sanctioned Rs. 150

for such an establishment as recommended by the Superintending Engineer in the absence of all information relative to the manner in which the amount was to be distributed and to the number of Surveyors to be employed.

(True Extract)

Major, R.E.,
Acting Joint Secretary to Government.

To the Superintending Engineer, 1st Division.
,, Chief Engineer for Irrigation.
,, Controller of Public Works Accounts.

Exd. F. R. Bantleman.

SUPERINTENDING ENGINEER'S OFFICE, 1ST DIVISION,
DOWLAISHWARUM, 29th August 1872.

No. 2010 Despd 30 Aug 72

From Lieut. Coll. J. F. Fischer R.E.
Actg. Superintending Engineer
1st Division

To Major R. L. Oakes R.E.
Actg. Chief Engineer for Irrigation & Joint
Secy. to Govt. P.W.D.
MADRAS

SIR,

With reference to para 3 of G.O. of the 26th July 72 No. 1786, I have the honor to report for the information of Government that Surveys have been made of the river banks in the Eastern and Western Deltas, but in the Central Delta, the west bank only has been completed, the east bank not being so important, I deferred its Survey as our hands were fully occupied.

(2) Two or three years observations are not sufficient to show marked changes, except when great breaches occur, and as the Range Officers have been so frequently and suddenly changed, it has been impossible for them to work together, but I have made my own observations, by frequent inspections and if the progress of works is not put a stop to by needless changes the river banks can be got into order in the course of a few

Years

years, it is impossible to rectify the utter neglect of so many years in a short time and with a constant change of the best officers and subordinates.

(3) I take this opportunity of soliciting the Government for a permanent Staff of Surveyors to be attached to this District at a Monthly cost of Rs. 150, the labour & pay travelling batta &c. can be provided for out of Repairs Agricultural during the working season but it is very advisable to retain men who have acquired a knowledge of the river & its banks; in the Eastern Delta a Surveyor has not only the river banks to attend to but after each Monsoon season the river bed above the Anicut has to be properly Surveyed in and he should be able to observe and note all the Changes - in the Western and Central Deltas the banks only have to be Surveyed but in the latter the extent of banking is very great embracing both sides of the Delta proper and the Negamm island.

(4) I have already supplied the Government with a Map of the river bed above the Anicut which has been lithographed this will give an idea of the competency of the man who prepared the Surveys and whose Services I would wish to retain.

5) These men besides Surveying the river banks are employed in taking levels, making Surveys for the Range officers whenever required and in order to ensure the greatest accuracy possible it is far better to keep the men in permanent employ so that after they have acquired a good knowledge of the General localities they may not be liable to leave for employment in other Departments or Services.

I have the honor to be

Sir

Your Most Obedt. Servt.

Wm. Mitchell Lieut. Col. R.E.

Actg. Superintg. Engineer 1st. Divn.

From The Asst. Engr. E.D. Nº 2 Cuddalore Divn.
to The Supdg. Engr. E.D. Nº 2 Cuddalore Divn.

No. 241.

Forwarding of the Madras Government
Remarks on the following.

In this letter the above
dated 29th August requests the
Superintending Engineer
of the 1st Division
of the Survey of the
report to that of the
Bank to the
two rivers Gadilam
of the Gadilam river
Veeranamgudi and
that the contrai
Canal in the Central
Delta has not been
surveyed to extra
not of go to irrigate
importance on the

No 23 Despatch from Govt
to 16 July 72 — 426 - 427

Nº 1872. Dept.
Copy of Govt Order No 1
Nº. 4370.

From

The Superintending Engineer,
First Division.

To

The Chief Engineer for Irrigation
MADRAS

Dated 29th August 1872.
Received. 7th Septr 72.

NO. 2010

ENCLO.

Subject.

Reports that the Survey
of Eastern and Western Deltas
have been made and giving rea-
sons for the Survey of Central
Delta not being yet completed
and requests a permanent staff
of Surveyors to be attached to this
District at a monthly Cost
of Rs: 150.
Nº 2411-14 Dept 72.

No 220
Rec'd in Govt 9th Sept 72

other Local Co and do the Members of the Department and the Surveyors have been fully occupied.

The Government observe that a special Establishment was sanctioned in February 1871 for the survey of these banks for a period of 4 months and the period for which the Establishment was sanctioned proved to be insufficient a supplemental sanction should have been solicited.

G. O. No. 377. 7th February.

The rectification of the beds of large Rivers such as the branches of the Godavery can only be incidentally satisfactorily after a survey of the River on a large scale has been laid down and the probable effects of defences works on one bank can be traced on the other bank or on the shoals or Dolands. it is not clear therefore that one bank can be regarded

as of less importance than the others, while until the surveys of the River are carefully laid down the protective works carried out are likely only to be of local and temporary service and not to form a part of the larger scheme for the rectification of the beds of the Rivers. His Excellency the Governor in Council is therefore disappointed to learn that the charts of the branches of the Godavery have not yet been completed. The Superintending Engineer will

will report what portion of the allotment made in G. O. No. 374 was expended upon the River charts, and if the 3 Surveyors and 12 Lascars sanctioned for employment in the Godavery District in 1872-73 in G. O. 1618 of 4th July 1872 are fully employed, and one of the Establishments cannot be detached for the completion of the River charts the Supt. Engineer is authorized to entertain a Surveyor and Establishment not exceeding

the strengths noted in the margin and sanctioned in G. O. No. 377 dated 7th February 1871 and he will report the period for which this Establishment will be required to complete the charts of the two branches of the River.

His Excellency in Council deems it inexpedient to attach a permanent staff of Surveyors to the Godavery District. No such Establishment forms a part of the permanent Establishment

1 Surveyor - Rs 60
6 Lascars at Rs 6 - 36
Contingencies . 5
101

of the Department Public Works and all aid of the nature required can be supplied as is now done from funds specially provided for temporary Establishments.

The work for which the proposed Establishment is stated to be required appears to be of ~~such~~ a nature, ~~that~~ as would necessarily be undertaken during the dry season when the services of efficient Members of the large Conservancy Establishment appertaining to the Godavery

Dalla might be made
available for it. Many
of these men it is ob-
-served from the
statements recorded
in G. O. No. 1525 of
13th May 1868 draw large
salaries and they
should be able to
carry out Surveys
&c. and if they are
not capable of per-
-forming such duties
their services should
be dispensed with
and efficient men
should be appointed.

When an Estab-
-lishment is required
it should be applied

for in the proper form
the number of persons
to be employed and
their salaries being
stated. The Govt.
even had they ap-
-proved of the ap-
-pointment of a
permanent Estab-
-lishment of Sur-
-veyors for the Godavery
District, could not
have sanctioned
Rs 150 for such an
Establishment as
recommended by
the Supt. Engineer
in the absence
of all information

relative to the manner
in which the amount
was to be distributed
and to the number
of Surveyors to be
employed:

36

Ch. 37

Govt. of {1872} Madras.

PUBLIC WORKS.

To The Superintending Engr
1st Division

Dated

Rec'd.

Encl.

G. O. 14th Aug. 1872. N° 2411.

Nos. 230 & 231

Fr Survey Delta. Repairs Mdrs.

on letter from the Mr Engr
the 7th Inst reporting that the
Survey of the Cauvery
Deltas have been
made and
Copies
a permanent Register of Survey
may be attached to the District