

Public Works (1897)) Department.

G.O., No. 255 W

DATED 22 October 1897

[Despatch Abstract.]

Establishment: Sanction accorded with remarks to the entertainment till 28 February 1898, of the temporary — required for the investigation of schemes for extending irrigation in the Bellary and Nellore Districts as detailed in Statement submitted by the Chief Engr. for Drifts.

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FURTHER PAPERS.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.
PUBLIC WORKS.

Recd.

Regd.

} 1897.

Enclosures

Spare copies

G.O., No. 2955 W., 22nd October 1897.

OCTOBER.

Establishment

Sanction accorded with remarks to the entertainment, till 28th February 1898, of the temporary — required for the investigation of schemes for extending irrigation in the Bellary and Nellore districts as detailed in statement submitted by the Chief Engineer for Irrigation.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

Office-note from the Chief Engineer for Irrigation, dated Madras, 14th October 1897, No. 287.

The accompanying proposition statement for establishment required to assist the Executive Engineers appointed for the investigation of schemes for extending irrigation in the Bellary and Nellore districts, is submitted with reference to paragraph 2 of G.O., No. 2676 W., dated 24th September 1897, with a request that the sanction of Government may be obtained thereto.

ENCLOSURE.

STATEMENT of Proposition for establishment required for the investigation of schemes for extending irrigation in the Bellary and Nellore Districts.

Proposed scale.							Proposition.						Remarks.
							Permanent.		Temporary.				
							Increase per month.	Decrease per month.	Increase per month.	Decrease per month.	Increase per month.	Decrease per month.	
No.	Designation.	Pay.				Total cost.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
Minimum.	Increment.	Maximum.	Average or fixed.										
Bellary District.													
1	Surveyor ..	..	..	..	60	60	..	..	6	60	..	..	
1	Draughtsman ..	..	..	..	40	40	..	..	6	40	..	..	
1	Clerk ..	..	..	..	30	30	..	..	6	30	..	..	
9	Lascars ..	..	..	..	7	63	..	..	6	63	..	..	
	Total ..	..	..	..	..	193	..	..	6	193	..	..	
Nellore District.													
1	Surveyor ..	..	..	..	60	60	..	..	6	60	..	..	
1	Draughtsman ..	..	..	..	40	40	..	..	6	40	..	..	
1	Clerk ..	..	..	..	30	30	..	..	6	30	..	..	
9	Lascars ..	..	..	..	6	54	..	..	6	54	..	..	
	Total ..	..	..	..	..	184	..	..	6	184	..	..	
	Grand Total ..	..	..	..	..	377	..	..	..	377	..	..	
Sanction of Government to this establishment is solicited up to 31st March 1898.													

Sanction of Government to this establishment is solicited up to 31st March 1898.

ORDER—No. 2955 W., dated 22nd October 1897.

Sanction is accorded to the entertainment, till 28th February 1898, of the temporary establishment required for the investigation of schemes for extending irrigation in the Bellary and Nellore districts, as detailed in the statement submitted by the Chief Engineer for Irrigation with his office-note recorded above. He will, if necessary, apply about the close of the current official year for the continued employment of the men during 1898-99. The pay of the lascars in the Bellary district has been fixed at Rs. 7 per mensem, as it is not possible now to obtain good men there for Rs. 6.

2. This sanction has been registered as Provincial No. 62 W. of 1897-98 and classified as Establishment—Temporary.

(True Extract.)

Under Secretary to Government.

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

Exd. T. K. Narayana Aiyangar.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following.

*Approved
for signature*

Office note from the Chief Engineer for Irrigation, No 287 d/ 14th October 1897

No 2955-W 22-10-97

Sanction is accorded to the entertainment, till 28th February 1898, of the temporary establishment required for the investigation of schemes for extending irrigation in the Bellary and Nellore Districts, as detailed in the statement submitted by the Chief Engineer ^{for Irrigation} with his office note recorded above. ~~The Chief~~ ^{He} Engineer will, if necessary, apply about the close of the current official year for the continued employment of the men during 1898-99.

The pay of the Lascars in the Bellary District has been fixed at Rs: 7 per annum, as it is not possible now to obtain work men there for Rs 6.

This sanction has been registered as Provincial No 62 W of 1897-98 and classified as Establishment, Temporary.

*Slaw
I have raised
concern to
unfavourable
view for
addition to
the draft
submitted
for approval*

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The C.E. for Irrigation
Exam. P.W. Accts
S.E. II Arch
S.E. III Arch
Revenue Dept

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21.10.97

22.10.97

NOTES.

Reference to P. W. D. Code.

MADRAS PRESIDENCY.

Part II.

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.

Tabular Statement to accompany proposals
for changes in establishments.

Ans 1
10/10/57

Part II.

Statement of proposition for

* In the case of appointments on progressive pay, the "average" should be

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

Examiner, P. W. Accounts;

Madras

Dated the

-189

PRESIDENCY.

revision of establishment.	required for the investigation of Schemes for extending irrigation in the Bellary & Chellore District.	Part II.
	PROPOSITION.	

calculated according to the rules in the Pay and Acting allowance code.

W. Hughes

Chief Executive Engineer for Design Division

Dated the 14 October 1897.



Public works (1897) Department

Current Number: 10246

E. I. Form No. 22-2,000-8-8-96.

GOVT.
OF MADRAS.

1897.

P. W.
DEPT.

CHIEF ENGINEER FOR IRRIGATION.

— Encls 1

Madras, 14 Oct 1897.

Recd: 16.10.97

OFFICE NOTE No. 287

Circulation Register.

To	From	Despatch Date.	Receipt Date.
EW.	EW.	15-10-97	

KEEP-WITH.

No. , dated 189 .

The accompanying proposition statement for establishment required to assist the Engineers appointed for the investigation of schemes for extending irrigation in the Bellary & Chelore Districts is submitted with reference to para 2 of G.O. No. 2676W, of 24th Sept 1897, with a request that the sanction of Govt may be obtained thereto

10/13/10/97

14/10/97

EW.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.
PUBLIC WORKS.

Recd.

Enclosures

1897.

Regd.

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G.O., No. 2676 W., 24th September 1897.

SEPTEMBER.

Schemes for extending Irrigation

Stating that two experienced officers will be deputed, as early as possible, to investigate — in the Bellary and Nellore districts, and requesting the Chief Engineer for Irrigation, with remarks, to submit the necessary proposition statements for formal sanction.

Original mth 16128 71897.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

No. 49 E.W.

Note by the Chief Engineer for Irrigation.

As the regular division establishments cannot give much time to the investigation of projects for extending irrigation, it is proposed, with the approval of Government, to form two investigation parties to work up such schemes as seem likely to be financially remunerative or of use in preventing famine. Of the former kind there are probably few, but there may be considerable scope for construction of works of the latter kind.

2. There are probably no rivers in the Presidency which have a low water-supply in excess of existing claims, and consequently, no schemes are likely to be found practicable which do not include the provision of reservoirs to impound flood water. Such reservoirs may be formed across the rivers supplying them, or when a river is so large that it is not possible to impound more than a small proportion of its flood water, a reservoir must be constructed at a suitable site and supplied from an anicut on the river. In either case, careful preliminary investigation is required to ascertain when it is practicable to construct works, and it is therefore not proposed to form working parties of full strength at once. There is, first, enquiry and inspection to be done; then, preliminary investigation of possible schemes; and finally, after selection of the best, detailed investigation. It will therefore be desirable to appoint only the Engineer officers first and give them upper subordinates and surveyors to assist them, only as the need arises.

3. The central districts are the most liable to famine, and of these Kurnool and Cuddapah are, to some extent, protected by the Kurnool-Cuddapah canal; and the only other district for which the Tungabhadra—the only unfailing river—can be drawn upon, is Bellary. It is impossible to expect that a directly remunerative scheme can be discovered after the many failures that have occurred, but a famine-protective work is probably quite feasible. As soon as it is known that an officer is to be appointed, the lines on which the investigation should be conducted will be settled after consultation with the Superintending Engineer.

4. The south and central part of the Bellary district can be irrigated only from the Hagari, if at all. The only project for irrigation from this river which seems to have been investigated at all fully is that known as the Hagari-Rayadrug project, which is dealt with in G.O., No. 118, Revenue, dated 8th February 1890, and previous orders. It provided for a channel 40 miles long on the left bank, and one 100 miles long on the right bank. The supply in the river is far too precarious to admit of direct irrigation. No project, of which reservoirs do not form a part, can be successful or in any sense protective. The levels already taken will probably show whether reservoirs can be made and filled by channels of moderate length.

5. The northern and western parts of the Nellore district are subject to famine, but there are few places in which irrigation works would be likely to be successful. The most important project recently under consideration is the Gandipallem project, which, as originally proposed, consisted in the restoration of a ruined tank having a catchment of 200 square miles. The ground in the vicinity being very uneven and

difficult to irrigate, and the population scanty, the Superintending Engineer has proposed to construct another reservoir also, of about the same size, on another affluent of the Maneru, and pass water from both down the river when it could be drawn off from an anicut to supply existing irrigation and bring a large area of new land under cultivation. It is considered that the river should be investigated as a whole, and for this a special investigation party is required.

6. The Ponneri project in Trichinopoly will be investigated under the direction of the officer who succeeds Colonel Smart, R.E., as it is a part of the scheme for extending and improving the Cauvery irrigation.

7. There are numerous other schemes which can be completed by the regular division establishments. The special investigation establishments will, for the present, be employed only in Bellary and Nellore.

(Signed) W. HUGHES,
Ootacamund,
31st August 1897.

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

Forwarded to the Chief Engineer, Public Works Department, with a request that Government may be addressed regarding the establishment of two investigation divisions. The proposals are founded on instructions received from His Excellency the Governor. It is understood that the two officers required should be available two or three months hence.

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

31st August 1897.

ORDER—No. 2676 W., dated 24th September 1897.

The Chief Engineer for Irrigation recommends that, as the regular division establishments cannot afford much time to the investigation of projects for extending irrigation, two investigation parties may be formed to work out such schemes as may seem to be financially remunerative or of use in preventing famine. He proposes to start the investigations in the Bellary and Nellore districts, and for this purpose two experienced officers will be deputed on special duty as early as possible. It will be sufficient if each of these officers is provided with the following establishment to enable him to make preliminary investigations, and when these are completed, extra hands can be appointed to work out the details:—

1 Surveyor on Rs. 60.	1 Clerk on Rs. 30.
1 Draftsman on „ 40.	9 Lascars on „ 6 each.

2. The Chief Engineer for Irrigation will submit the necessary proposition statements for formal sanction.

3. The officers to be selected will work directly under the orders of the Chief Engineer for Irrigation, who will impress upon them that they should keep prominently in view the object of extending the cultivable area and should not subordinate that object to the obtaining of high direct financial results.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
Superintending Engineers, II and III Circles.
Examiner of Public Works Accounts.
Revenue Department.

Exd. T. K. Narayana Aiyangar.