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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2198-99 Press
5-6. Mis.

Dated 2.10. 18 71.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 2nd October 1871.

No. 5. Read the following letter from the Deputy Secretary to the Government of India, Public Works Department, (Account—Irrigation,) to the Secretary to the Government of Madras, Public Works Department, Irrigation Branch, dated Simla, 2nd September 1871, No. 169 A—I:—

In order to admit of the distribution of the grant for Public Works for the ensuing official year, I am directed to request that a rough estimate of the probable requirements for Agricultural Works for 1872-73, prepared according to the instructions issued in Public Works Department letter No. 174 A—I., dated 17th August 1869, may be submitted so as to reach this office at Simla on the 20th September 1871.

No. 6. Order thereon, 2nd October 1871, No. 2,498.

IRRIGATION, No. 1.

Ordered that the following letter be sent:—

(Here enter No. 2,499, dated 2nd October 1871.)

(True Extract.)

(Signed) R. F. OAKES, Captain, R.E.,
Offg Joint Secretary to Government

Exd. S. T. Augustin.

Rough Estimate of the probable requirements of the Madras Presidency on account of Agricultural Works for 1872-73.

Detail.	Amount of Estimate.	Sum that can be expended in 1872-73.	Remarks.
EXTRAORDINARY.	Rs.	Rs.	
Irrigation from the Rooshkoolia in Ganjam	...	0·25	Project under investigation. Rough estimate returned for revision. Allotment for establishment and preliminary work.
Godavery.—Western Delta improvements	13·05	1·00	Estimates sanctioned. *Vide* letter from Government of India, No. 367—I., 2nd August 1871.
Do.—Eastern Delta improvements.	10·81	1·00	Estimates sanctioned. *Vide* letter from Government of India, No. 181—I., 20th May 1871.
Kistna.—Improvements of Masulipatam section	1·83	0·20	Sanctioned. Item No. 27 of 1871-72. Probable balance of estimate.
Do.—Widening head of Masulipatam or Main Canal	1·14	0·25	Sanctioned. *Vide* letter from Government of India, No. 130—I., 24th April 1871. Probable balance of estimate.
Do.—Improving Seetanagram Main Canal	2·76	0·25	Sanctioned. Item No. 29 of 1871-72. Probable balance of estimate.
Do.—Improvement of Ryves' Channel	4·14	0·25	Sanctioned. Item No. 30 of 1871-72.
Do.—Commamore Channel ...	1·96	0·25	Sanctioned. Item No. 32 of 1871-72. Work in abeyance pending sanction of revised estimate.
Nellore.—Improvement of Survapilly Channel	4·20	0·70	Sanctioned. Item No. 33 of 1871-72. Probable balance of estimate.
Do.—Sungum Project or Northern Delta of Pennair...	25·83	0·50	Estimates submitted to Government of India with letter No. 819, dated 18th March 1871.
South Arcot.—Palandorai Project.	1·98	0·50	Sanctioned. Item No. 38 of 1871-72.
Tanjore.—Cauvery regulators ...	1·38	0·05	Sanctioned. Item No. 40 of 1871-72. Probable balance of estimate.
Do.—Vennaur regulators	1·97	0·70	Sanctioned. Item No. 41 of 1871-72. Probable balance of estimate.
Do.—Cauvery and Vennaur regulation Project	5·20	0·50	Estimates with Government of India. *Vide* their Secretary's letter No 81—I., 7th March 1871. Item No. 42 of 1871-72.
Madura.—Perryaur Project ...	...	·50	Estimates nearly ready. Item No. 44 of 1871-72.
Tinnevelly.—Striviguntum Anicut Project	8·32	1·00	Sanctioned. Item No. 45 of 1871-72.

Rough Estimate of the probable requirements of the Madras Presidency on account of Agricultural Works for 1872-73.

Detail.	Amount of Estimate.	Sum that can be expended in 1872-73.	Remarks.
Extraordinary.—(Concluded.)	RS.	RS.	
Ganjam.—Vamsadara River or Chicacole Project	...		
Godavery.—Central Delta Project.	...		
Do.—Unnammalunka Reservoir ...	...		
Kistna.—Eastern Delta	...		
Do.—Western Delta	...		
Tinnevelly.—Numbiar River irrigation	...	·50	Possible expenditure on such of these projects as may be sufficiently advanced in 1872-73.
Do.—The improvements and extension of irrigation under the Tambrapoorney and its tributaries....	...		
Total of works estimated to cost one Lac and over	...	8·40	
Works under one Lac	...	0·00	
Proportion of Establishment... ...	...	3·00	
Tools and Plant	...	1·50	Includes probable indent for machinery for Perryaur Project from Europe 1·00.
Total, *Extraordinary* ...	...	12·90	
Ordinary.			
Kistna.—Budam Project	0·46	0·19	G.O., No. 2,598, 31st October 1870. Probable balance of estimate.
Do.—Pedda Cuncherla Tank Project	0·24	0·19	G. O., No. 3,008, 12th December 1870. Probable balance of estimate.
Bellary.—Restoration of Gootloor Tank	0·61	0·07	G. O., No. 55, 8th January 1869. Probable balance of estimate.
Chingleput.—Madras Water Supply Project	10·43	2·00	The expenditure to date appears to have been about Rupees 9,92,084. The final estimate lately submitted to the Government of India is Rupees 12,25,558.
Do.—Chembrumbaukum Tank Project	4·14	0·50	G. O., No. 705, 9th March 1871.
Works under 2,500 Rupees each...	...	2·54	
Total New Works, Ordinary ...	...	5·49	
Repairs and maintenance of irrigation works	...	14·00	
Proportion of establishment ...	...	6·26	
Tools and Plant	...	0·25	
Total, *Ordinary* ...	...	26·00	
Grand Total, *Agricultural* ...	...	38·90	

Colonel, R.E.,
Secretary to Government.

PUBLIC WORKS DEPARTMENT,
OOTACAMUND, *2nd October* 1871.

No. 7.

No. 2,499.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

IRRIGATION, No. 2.

SIR,—With reference to your letter of the 2nd September 1871, No. 169 A—I., I am directed to forward herewith a rough estimate of the probable requirements of this Presidency for 1872-73 for Agricultural Works amounting to almost 39 lacs.

2. A considerable reduction is shown in the sum to be allotted to Extraordinary Works as compared with the actual grant for the current year, but I am to point out that the experience of the past few years has proved that the expenditure on works of this class cannot be made to exceed a certain limit on any given project without unduly enhancing the price of labour or by reason of the extension of operations throwing important executive duties into the hands of unqualified persons, and as a fact the outlay has always fallen far short of the grant.

	RS.
Grant, 1871-72	15,75,000
Estimate, 1872-73...	12,90,000

3. The transfer of two large works, namely, the Madras Water Supply and the Chembrumbaukum Tank Projects from the category of Extraordinary to that of Ordinary Works has thrown a large additional burden on the latter Budget item, and the present estimate exhibits an increased proportional outlay as compared with that of the present year for Original Works. I am, in reference to this, to draw attention to the proposition made by this Government in their letter of the 23rd August 1871, No. 2,172, accompanying the revised estimate of the Madras Water Works; that an annual refund from the ordinary grant should be made on account of undue outlay of Loan Funds and to add that, under all the circumstances noted, the Government hope that the fullest possible consideration may be shown for the needs of this Presidency.

Ordinary.	RS.
Grant, 1871-72	2,94,200
Estimate, 1872-73	5,49,000

4. The amounts under Minor New Works and Repairs are also in excess of this year's allotment, but I am to say that they are still below what this Government could expend with benefit to the country as well as direct and immediate enhancement of the revenue, and that only a consideration of the probable inability of the Government of India to make larger grants has operated in fixing the limit assigned in the estimate.

5. The allotments under the two heads Ordinary and Extraordinary will probably differ from those now asked for, but the sum total under each will not be exceeded.

I have the honour to be,

Sir,

Your most obedient servant,

Colonel, R.E.,

Secretary to Government.

Exd. S. T. Augustin,

From Officiating Secretary to Govt of Madras
(Accounts Irrigation) To the Secretary
to the Govt of Madras P.W.D.
Dated 2 September 1871.
Requesting a right estimate &c.

Memo.

Secretary to Govt. P.W.D.

I regret to say that this letter has been mislaid. The draught is a true copy of the original. The substance of the letter accords with that of the 23d August 1870 No 117 A.I. enclosed.

Madras 10 Sept. 71

Asst Secy Capt. RE
Under Secy to Govt.

5. The allotments under the two heads Ordinary and Extraordinary will probably differ from those now asked for, but the sum total under each will not be exceeded.

I have the honour to be,

Sir,

Your most obedient servant,

Colonel, R.E.

Pub: Works 1871 Report

No 4305

From

Govt of India

No 169 Irr.

Dated

the 11th September 71

Requesting a rough Estimate of the probable requirements for Agricultural Works for 1872/73

6 Oct 1871

Exd. S. T. Augustin.

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Rough Estimate of the probable requirements of the Madras Presidency for account of Agricultural Works for 1872-73.

Details	Amount of estimate	Sum that can be expended in 1872-73	Remarks.
	Rs	Rs	
Extraordinary Irrigation from the Roosikonda in Ganjam	0.25		Project under investigation. Rough estimate returned for revision. Allotment for establishment and preliminary works.
Godavery Western Delta Improvements	43.95	6.00	Estimates sanctioned. Vide letter from Govt of India No 367 I. 2nd August 1871.
Eastern Delta Improvements	10.81	1.00	Estimates sanctioned. Vide letter from Govt of India No 181 I. 20th May 1871.
Restoration of Improvements of Masulipatam section	1.83	0.20	Sanctioned Item No 27 of 1871-72
do Widening head of Polavaripatam tidal canal	0.45	0.25	Probable balance of estimate sanctioned. Vide letter from Govt of India No 130 I. 24th April 1871.
do Improving Pettanadgram main canal	2.76	0.25	Probable balance of estimate sanctioned. Item No 29 of 1871-72
do Improvement of Ripel channel	0.14	0.25	Probable balance of estimate sanctioned. Item No 30 of 1871-72

Details	Amount of estimate	Sum that can be expended in 1872-73	Remarks.
	Rs	Rs	
Kistna. Commamoor channel	1.96	0.25	Sanctioned. Item N 38 of 1871-72 Work in abeyance pending sanction of revised estimate
Nellore Improvement of Sarvapilly channel	1.20	0.70	Sanctioned. Item N 33 of 1871-72 Probable balance of estimate.
do Ganjam Project or Northern Delta of Penner	25.83	.50	Estimates submitted to Govt of India vide their letter N 819 dated 8 March 1871
South Arcot. Palandoray Project	1.98	0.50	Sanctioned. Item N 38 of 1871-72
Tanjore. Cauvery regulators	1.38	0.85	Sanctioned. Item N 40 of 1871-72. Probable balance of estimate
do Vennaur regulators	1.97	0.70	Sanctioned. Item N 41 of 1871-72. Probable balance of estimate
do Cauvery & Vennaur regulation project	5.20	0.50	Estimates sent to Govt of India vide their Secretary's letter N 82 S.I. dated March 1871. Item N 42 of 1871-72
Madura. Periyaur Project		.50	Estimates nearly ready. Item N 44 of 1871-72
Tinnevelly. Attrungurrum Anicut project	8.32	4.00	Sanctioned. Item N 45 of 1871-72

Details	Amount of estimate	Sum that can be expended in 1872-73	Remarks.
	Rs	Rs	
Ganjam. Vamsadara river or Chicacole project			
Godavery. Central delta project			
do Nunnamalunka reservoir			
Kistna. Eastern Delta		.50	Possible expenditure of such of these projects may be sufficiently advanced in 1872-73
do Western Delta			
Tinnevelly. Nunnitaal river irrigation			
do The improvements & extension of irrigation under the Tambraparney & its tributaries.			
Total of works estimated to cost one lac and over	8.40		
Works under one lac	0.00		
Proportion of establishment Tools and Plant	3.00		
	1.50		Includes probable indent for chinary for Periyaur project from Europe 1.00
Total Extraordinary	12.90		

W. M. Leod Jnr

Detail	Amount of estimate	Sums that can be expended during 1872-73	Remarks
	Rs	Rs.	
Ordinary			
Kistna. Budaun Project	0.46	0.19	G.O. № 2598. 21st Oct. 1870. Probable balance of estimate.
do Pedda Cunchela Tanks project	0.24	0.19	G.O. № 3008. 12th Dec. 1870. Probable balance of estimate.
Bellary. Restoration of Govt. low Tanks	0.61	0.07	G.O. № 3298. 16 Oct. 1868. Probable balance of estimate
Chingleput. Madras Water supply Project	10.43	2.00	The expenditure to date appears to have been about Rs 9,92,084. The final estimate lately submitted to the Govt of India is Rs 25,558
do Chembrumbaukum Tanks project	4.14	0.50	G.O. № 705. 9th March 1871.
Works under 2,500 Rs each	2.54		
Total New works. Ordinary	15.49		
Repairs & maintenance of Irrigation works	1.00		
Proportion of establishment	6.26		
Tools & Plant	0.25		
Total Ordinary	23.00		
Grand Total. Agricultural	38.90		

Sup[d] &c.

All communications should be addressed to the Secretary.

No. 169 A. C.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

ACCOUNT.

Irrigation.

From

The Secy to the Govt of Madras
Public Works Department
Irrigation Branch.

Simla, 2nd September 1871.

Sir,

In order to admit of the distribution of the grant for Public Works for the ensuing official year I am directed to request that a rough estimate of the probable requirements for Agricultural Works for 1872/73 prepared according to the instructions issued in Public Works Department letter № 174 A dated 19th August 1869 may be submitted so as to reach this Office at Simla on the 20th September 1871.

I have the honor to be,
Sir,
Your most Obedt Servt
J. M. Scott Innes

Grand 1871-72. Rs: 15,75,000
Estimate 1872-73. " 12,90,000

No 2499

From

The Secretary to the
Govt. of India
P.W.D.

Sir,

Referring to my
letter of the 2nd Sept/71 No 2498
I am directed to forward here-
with a rough estimate of
the probable requirements
of this Presidency for the
Agricultural works
for 1872-73.

I have the honor to be
Sir
Your most obedient
humble Servant

[illegible]

Dated 2nd Sept/71
Rec'd 10th
No 169 A.S.

Forwarding
Estimate

No 2498 dated 2nd Sept/71
Rec'd 10th
No 169 A.S.

Requesting
a rough estimate
of the probable re-
quirements for
Agricultural Works
for 1872-73.

Govt. of India
P.W. Dept
Original Corr.
No 4305.

Bdl. Sept/69 No 218-220

No 1498 & 2499 - 2nd Sept/71

No 75 8th Nov/71

possible consideration may be shown for the needs of this Presidency.

4. The amounts under Minor New Works and Repairs are also in excess of this year's allotment, but I am to say that they are still below what this Govt. could expend with benefit to the country as well as direct and immediate enhancement of the revenues, and that only a consideration of the probable inability of the Govt. of India to make larger grants has operated in fixing the limit assigned will these estimates. The

The allotments under the two heads ordinary and extraordinary will probably differ from those now asked for but the sum total under each will not be exceeded.

Ans'd

22nd Feb

Fort St. George
2nd October 1913

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In S. Dept. 2/10/13 with copy of the royle estimate.
P. C. Dept. 4/10/13 with

C- No - 4305-

Govt. of {1871} Madras.

PUBLIC WORKS.

To The Secretary to the Govt. of India

Dated

Recd. Encl.

G. O. 2nd Octr 1871. No 2498-2407

Nos. 5-697.

Estimate for Agricultural works in 1872-73—

Passing orders on the letter from the Secretary of State calling for a rough Estimate of the probable requirements