M.R.O. 1—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	2724B	Press
B.P. No.	2724B	Mis.
5436		
5438		
5435		
Dated	26-9-1874	195- .

Not to be folded or roughly handled

Read the following papers :—

No. 543C. From Lieutenant-Colonel J. J. McLEOD-INNES, R.E., Deputy Secretary to the Government of India, Public Works Department, (Account—Irrigation,) to Colonel G. W. WALKER, R.E., Secretary to the Government of Madras, Public Works Department, (Irrigation Branch,) dated Fort William, 13th August 1874, No. 244AI.

In order to admit of the distribution of the grant for Irrigation works for 1875-76, I am directed to request that a rough estimate of the probable requirements for Agricultural Works for the ensuing official year, prepared according to the instructions issued in Public Works Department No. 174 AI, dated 17th August 1869, may be submitted so as to reach this office on the 25th September 1874 at the latest.

No. 756.

No. 543D. *Note by the Chief Engineer for Irrigation.*

The rough estimate of funds required for Agricultural works in 1875-76 shows a total of Rupees 37·66 lakhs. The total of the Budget of 1874-75, as submitted to the Government of India, was 29·58 lakhs.

The principal differences are—

1*st.*—A provision for the repayment of Loan Fund expenditure on the Madras Water Works Project of lakh	1·00
Do. do. do. Chembrumbaukum Tank do.	0·50
2*nd.*—An increase of the repair grant	1·33
3*rd.*—Proportionate increase of establishment charges	0 55
4*th.*—Tools and Plant increase	0 33
5*th.*—Works sanctioned but omitted from the Budget of 1874-75 for want of funds	0·19
6*th.*—Provision for incomplete works of 1873-74 for which funds were unavailable by transfer from Major Works grants, and for which money could not be obtained from Government of India	0·26

2. For the Godavery Delta village drainage a sum of Rupees 30,000 has been provided, this being the estimate of expenditure submitted by the District Engineer, and it being as much as can probably be expended. Government ordered a provision of one lakh yearly, but until more is known of what has to be done, it is not likely that effective progress can be made very rapid. Possibly double the amount proposed for 1875-76 can be spent in 1876-77.

3. District Engineers should understand that works for which the estimates may not be sanctioned before the compilation of the Budget cannot be entered therein. They have already been informed that all projects should be submitted to this office early enough to admit of their disposal before the end of September.

4. As from some districts the information required for making out the rough estimate has not been sent up in a convenient shape, it will be desirable to communicate the order thereupon to all Superintending Engineers and District Engineers. The District Statements, which in the case of estimates not sanctioned should specify the date on which they will be submitted, should reach this office

by the 15th August at latest. There will even then be no time for references for explanation.

OOTACAMUND, *24th September* 1874.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E., *Chief Engineer for Irrigation.*

Rough Estimate of the probable requirements of the Madras Presidency on account of Agricultural Works for 1875-76.

Detail.	Amount of Estimate.	Sum that can be expended in 1875-76.	Remarks.
EXTRAORDINARY.	RS.	RS.	
Godavery.			
Eastern Delta improvements ...	14·00	1 35	Item No. 3 of Budget of 1874-75.
Western do. do. ...	14·10	1·60	Do. 4 of do.
Kistna.			
Improvements, Masulipatam Section.	1·88	0·15	Do. 6 of do.
Widening head of Masulipatam (Eastern Main) Canal.	1·14	0·25	Do. 7 of do.
Improving Ryves' Canal	4·14	0·40	Do. 8 of do.
Western Delta improvements—			
Main Canal	5·65	0·20	These estimates have been examined by the Chief Engineer for Irrigation, and orders will be passed on them immediately.
Nizampatam Canal	0·27	0·12	
Bank Canal	4·48	0 38	
Nellore.			
Improvement of Survapully Channel.	4·20	0·20	Item No. 31 of Budget of 1874-75.
South Arcot.			
Pelandorai Anicut Project	2·00	0·20	Do. 23 of do.
Tinnevelly.			
Streeviguntum Anicut Project ...	10·40	0·81	Do. 31 of do. Revised estimate submitted to Government of India, No. 1,498, dated 8th June 1874.
		5·66	
Proportion of establishment about 25 per cent.	.....	1·41	
Tools and Plant about 8 per cent.	.....	0·43	
Total Extraordinary...	.....	7·50	
ORDINARY.			
Vizagapatam.			
Improving Kristnaraz Channel ...	.....	0·30	Approximate estimate approved. G. O., No. 1,339, dated 20th May 1874. Regular estimate ready.
Godavery.			
Navigation Canal, Nagaram Island.	0·27	0·10	G. O., No. 2,094, 31st July 1874. Part of the cost will be met from Local Funds.
Ferry boats delta	0·21	0·10	G. O., No. 2,264, 15th Aug. 1874.
Compensation for land	0·07	0·07	G. O., ,, 287, dated 5th Feb. ,,

Rough Estimate of the probable requirements of the Madras Presidency, etc.—(Concld.)

Detail.	Amount of Estimate.	Sum that can be expended in 1875-76.	Remarks.
ORDINARY.—(*Concld.*)			
Godavery.—(Concld.)	RS.	RS.	
Experiments on concrete	0·05	0·02	Item No. 36 of Budget of 1874-75.
Embankment road, west bank, Godavery, Vijesweram to Polaram.	0 80	0·10	G. O., No. 1,251, of 14th May 1872.
Do. east bank, Rajahmundry to Rahitapuram.	0·47	0·09	G. O., No. 2,133, 7th Sept. 1872.
Do. do. Rahitapuram to Purusholapuram.	0·12	0·09	G. O., No. 2,356, 21st Aug. 1874.
Embankments, Polaram Island ...	0·62	0·20	G. O., No. 477, 25th Feb. ,,
Delta Village drainage	.....	0 30	G. O., No. 2,007-B, 24th July ,,
Filling Quarry channel through Dowlaishweram village.	.....	0·07	Estimate awaited.
Kistna.			
Budam Project	0·46	0·06	Item No. 10 of Budget of 1874-75.
Shevagungah drainage	0·27		G. O., No. 2,584, 11th Sept. 1874.
Sundry works	.....	0·19	Details awaited.
North Arcot.			
Seesamungalam Tank Channel ...	0·19	0·02	Item No. 21 of Budget of 1874-75, and G. O., No. 1,700 of 24th June 1874.
Trichinopoly.			
Restoring Kodunthoray Tank ...	0·15	0·10	Estimate awaited.
Constructing surplus sluice, north embankment, Coleroon, near Kodaly.	0·06	0·06	Do. under revision.
Streepurandum Tank surplus weir.	0·06	0·06	
Coimbatore.			
Areapuram channel head sluice and new cut.	0·10	0·10	Estimate awaited.
Pullapolliem channel head sluice ...	0·03	0·03	
Tinnevelly.			
Head sluice, west channel, Murdur Anicut.	0·11	0·06	Item No. 32 of Budget of 1874-75.
Do. Cannadien Anicut channel ...	0·07	0 04	Do. 33 of do.
Chingleput.			
Madras Water Works Project ...	12·53	* 1·30	Do. 18 of do.
Chembrumbaukum Tank do. ...	4·85	† 0·90	Do. 19 of do.
Incomplete works of 1873-74 ...	.....	0·26	*Vide* G. O., 17th Aug. 1874, No. 2,273.
Minor New Works under 2,500 Rupees each.	.....	2·89	
Total New Works, Ordinary...	.....	7·51	
Repairs Agricultural	.....	15·00	
Proportion of Establishment ...	.....	6 90	
Tools and Plant	.....	0·75	
Total Ordinary...	.....	30·16	
Total Agricultural...	.....	37·66	

* Including one lakh for repayment of Loan Funds.

† Do. half lakh for do. do.

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E., *Chief Engineer for Irrigation.*

26th September 1874.

Proceedings of the Madras Government, Public Works Department, 26th September 1874.

No. 543E. ORDER THEREON, 26th September 1874, No. 2,724B.

IRRIGATION, No. 63A.
Account.

ORDERED that the rough estimate of the probable requirements of Agricultural Works in 1875-76 be forwarded to the Government of India.

2. The attention of District Officers should be given to paragraphs 3 and 4 of the foregoing note.

3. Ordered that the following letter be sent.

4. Ordered also that the following telegram be despatched to the Government of India.

Rough estimate seventy-five seventy-six, Extraordinary seven and a half lakhs, Ordinary thirty lakhs sixteen thousand.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

To the Chief Engineer for Irrigation.
„ District Engineers concerned.

Exd. E. C. Shunker.
Spare Copies

All communications should be addressed to the Secretary.

No. 244. A. I.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

Account
Irrigation

To

The Secretary to the Government of Madras
Public Works Department
Irrigation Branch.

Fort William, 13th August 1874

Sir

In order to admit of the distribution of the grant for Irrigation Works for 1875-76, I am directed to request that a rough estimate of the probable requirements for Agricultural Works for the ensuing official year prepared according to the instructions issued in Public Works Department No. 244 A. I. dated 17th August 1869, may be submitted so as to reach this office on the 25th September 1874 at the latest.

I have the honor to be
Sir,
Your most obedient servant,

J. M. Lee Warner

Deputy Secretary to the Government of India

No: 756.

Note by the Chief Engineer for Irrigation

The rough estimate of funds required for Agricultural works in 1875-76 shows a total of Rs: 37.66 lakhs. The total of the Budget of 1874-75 as submitted to the Government of India was 29.50 lakhs.

The principal differences are

1st	A provision for the repayment of loan Fund by expenditure on the Madras Water Works project of lakh	1.00
	" Chembrumbaukum Tank do	0.50
2nd	An increase of the Repair grant	1.33
3rd	Proportionate increase of Establishment Charges	0.55
4th	Tools and Plant increase	0.33
5th	Works sanctioned but omitted from the Budget of 1874-75 for want of funds	0.19
6th	Provision for incomplete works of 1873-74 for which funds were unavailable by transfer from major works grants and for which money could not be obtained from Govt of India	0.26

2

P. W. 1874 Dept
No: 5177
from
The Govt: of Ind
Dated 13 Augt 1874
Recd 18-9-1874
No: 2444 I.O.

Regarding the Loans Estimate for Agricultural works for 1875-76 & the Budget Estimate for Agricultural works for 1875-76 & Telegram dated 25th September 1874.

P.D. No: 3924 dt. 26-9-74

Ch. Rly 3-6

Supd to Cert 1st Dept No. 3044

2. For the Godavery Delta village drainage a sum of Rs: 30,000 had been provided, this being the estimate of expenditure submitted by the District Engineer, and it being as much as can probably be expended. Government ordered a provision of 1 lakh yearly, but until more is known of what has to be done, and it is not likely that effective progress can be made very rapid. Possibly double the amount proposed for 1875-76 can be spent in 1876-77.

3. District Engineers should understand that works for which the Estimates may not be sanctioned before the compilation of the Budget cannot be entered therein. They have already been informed that all projects should be submitted to this office early enough to admit of their disposal before the end of September.

4. As from some Districts the information required for making out the rough Estimates has not been sent up

in in a convenient shape it will be desirable to communicate the order hereupon to all Superintending Engineers and District Engineers. The District statements, which in the case of Estimates not sanctioned should specify the date on which they will be submitted, should reach this office by the 15th August latest. There will even then be no time for references for explanation.

Aptacamund
24 Septr. 1874

I have the honor to be
Sir
Your most obedient servant
H. Hudleston Lieut. Col. R.E.
Chief Engineer for Irrigation

To
The Secretary to Govt.
P.W.D.

P. W. 1874 Sept
Pubs. of Govt. for Letter
No: 6121

From

The Chief Engr. for
Irrigation

Dated 24: Septr 1874
Recd 30th " 1874

No: 756

Regarding
the rough estimate
of the funds required
for Agricultural works
of the Madras Pre-
sidency for 1875-76.

Ch. No: 2724 dt. 26-9-74.

Ch 523 &

R. 30 Sept 74.

P. W. Dept.

Proceedings of the Madras Government

2724/3. Read the following-

From

The Govt of India (H.L. No 244 A.J. dt 13 Augt 1874)

Note by Chief Engineer for Irrigation — Ho. 2-756 dt 24 Sept)

Ordered that the rough Estimate of the probable requirements of Agricultural works in 1875-76 be forwarded to the Govt. of India.

2. The attention of Dt. Officers should be given to paras 3 & 4 of the foregoing Note.

3. Ordered that the following letter be sent-

4. Ordered also that the following telegram be dispatched to the Govt.

Govt. of India

Rough Estimate Seventy five
Seventy six Extraordinary,
seven and a half Lakhs.
Ordinary, thirty Lakhs
sixteen thousand.

Rec. 26/9/74

Govt

543 C-543 F.

To the Chief Engr for Irrn
" Distt. Engineers concerned
× Excepting Bangalore, N. Canara
and Neilgherries.
S. Copies despd to all. 13/10/74.

R-30 Sept 74

13C

Rough Estimate of the probable requirements of the Madras Residency on account of Agricultural works for 1875-76.

Detail		Amount shown in last com Estimate for 1874-75		Remarks.
Extraordinary				
Godavery				
Eastern	Delta improvements	14.00	1.35	Item 3 of Budget of 1874-75.
Western	do	14.10	1.60	do 4 do
Kistnah				
Improvements Masulipatam Section		1.88	0.15	do 6 do
Widening head of Masulipa. Canal (Eastern Main)		1.14	0.25	do 7 do
Improving Reyve's Canal		4.14	0.40	do 8 do
Western Delta improvements				
Main Canal		5.65	0.20	These Estimates have been examined by the Chief Engr for Irrigation and Orders will be passed on them immediately.
Nuzampatam	do	0.27	0.02	
Bank	do	4.48	0.38	
Kollair				
Improvement of Surrapully Channel		4.20	0.20	Item 13 of Budget of 1874-75
South Arcot				
Pelandurai Anicut Project		2.00	0.20	" 23 of do
Tinnivelly				
Servegunteum Anicut Project		10.40	0.81	31 of do. Revised Estimate submitted to Govt. of India with D/ 8 June/74
			5.66	
Proportion of Establishment about 25 per cent			1.41	
Tools & Plant about 8 per cent			0.43	
Total Extraordinary			7.50	
Ordinary				
Vizagapatam				
Improving Krishnaraz Channel			0.30	Approximate Estimate approved G.O. no. 1339 D/ 20 May/74 Regular Estimate ready

Godavery

Navigation Canal Sa. Edrain island	0.27	0.10	G.Dno. 2094 = 31 July 1874. Part of the cost will be met from Local Funds.
Ferry boats Delta	0.21	0.10	G.Dno. 2264 = 15 August 1874.
Compensation for land	0.07	0.07	G.Dno. 287 d/5 Febry. 1874
Experimento on Concrete	0.05	0.02	Item 36 of Budget of 1874-75.
Pimbankment road West Bank Godavery, Vegeshwerum to Polaram	0.80	0.10	G.Dno. 1251 of 14 May 1872.
do East Bank Rajahmundry to Rahtapuram	0.64	0.09	do 2133 - 7 Sept. 1872.
do do Rahtapuram to Purusholapuram	0.12	0.09	do 2356 - 21 Augt. 1874
Embankments Polaram Island	0.62	0.20	do 477 - 25 Febry. 1874
Delta Village drainage		0.30	G.Dno. 2078 d/24/7/74 =
Filling Quarry Channel thro' Dowlaisheweram village		0.07	Estimate awaited

Kistna

Budam Project	0.46	0.06	Item 10 of Budget of 1874-75
Shevaganga drainage	0.27	0.02	G.Dno. 2594 - 11 Septr. 1874
Sundry works	0.19		Details awaited.

North Arcot

Seesamangalam Tank Channel	0.19	0.02	Item 21 of Budget of 1874-75 and G.Dno. 1700 - 24 June 1874

Trichinopoly

Restoring Kolumthoray Tank	0.15	0.10	Estimate awaited
Constructing surplus Sluice North Embankment Coleroon near Hodaly	0.06	0.06	do under revision
Vreesperandam Tank Surplus weir	0.06	0.06	do awaited

Coimbatore

Areapuram Channel No. Sluice & new Cut	0.70	0.10	do do

5

R-3

Pallapollieu Channel

No. Sluice	0.03	0.03	Estimate awaited

Tinnevelly

No. Sluice, West Channel				
Murdur Ancut	0.11	0.05	Item 32 of Budget of 1874-75	
do Cannadieu Ament Channel	0.07	0.04	do	33 do

Chingleput

Madras Water works Project	12.53	1.30 ×	do	18 do
Chembrambaukum Tank	do — 4.85	0.90 ×	do	19 do
Incomplete works of 1873-74		0.26	Vide G.O. 17 Augt. 1874 No 227	
Minor new works under 2500 Rs each	2.89		× including 1 Lakh for repayment of Loan funds	
			× do ½ Lakh do	
Total new works Ordinary	7.51			
Repairs Agricultural	15.00			
Proportion of Establishment	6.90			
Tools and Plant	0.75			
Total Ordinary	30.16			
Total Agricultural	37.66			

Mm. 26/9/74

2724C.

To

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

Sir

In reply to the Deputy Secretary's letter No. 244 P.W. dated 13th August 1874, I am directed to forward the rough Estimate of the requirements on account of Agricultural works for 1875-76.

Mm. 26/9/74

GWW

R. S/Desp. 26/9/74 with List
6 A. Copies and 25 Copies of previous
Proceedings desp. 7/10/74.

26

Dis. 30 Sept. 74

6121
5177

Govt. of 1874 Madras.

PUBLIC WORKS.

To The Chief Engineer for Irrigation in Madras

Dated

Recd. Encl.

G. O. 26 Sept 1874, No. 2724/5 2724/6

Nos.

Agricultural Works

The rough Estimates of the probable requirements of Agricultural Works in 1875/76 ordered to be forwarded to the Govt. of India & the attention of District Officers to be given to paras 3 & 4 of the Note by the Chief Engr for Irrigation

Ad. 30 Sept 74