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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. <u>2878-79</u>	Press <u>Mis.</u>
<u>412-414</u>	
Dated <u>17-9-</u>	<u>18 67</u>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department.
17th September 1867.*

No. 412. Read the following Circular from the Secretary to the Government of India, Public Works Department, (Account—Irrigation,) to the Secretary to the Government of Madras, Public Works Department, dated Simla, 26th August 1867, No. 84:—

1. In order to enable the Government of India to determine the amount which should be fixed as the grant for *Irrigation* works for the ensuing year, I am directed to request that a rough estimate of the probable requirements of the Government of Madras, under this head during 1868-69, as far as they can now be foreseen, may be submitted to the Government of India as early as possible.

2. The Government of India having determined to proceed with these works, to the full extent of the expenditure that can be usefully laid out within the year, I am to say that the only limit which will be applied to the demands of local Governments on this account, is that precise and formal designs and estimates have in each case to be carefully prepared and discussed and sanctioned by competent authority before work is commenced. The probability of this being done during 1868-69, in the case of each of the new projects or of projects now under consideration should, therefore, be borne in mind in the preparation of the rough estimate now called for, and no projects should be inserted unless it is probable that the estimates will be ready.

3. This estimate may be furnished in the following simple form:—

Detail.	Probable amount of estimate.	Sum that could be expended in 1868-69.	Total.
<i>Works estimated to cost one lac and over.</i>			
Remodelling Ganges canal			
Total for works estimated to cost a lac and over			
<i>Works estimated to cost under one lac of Rupees.</i>			
Here detail each work, the demand for minor works costing Rupees 2,500 and under each, being given in one sum ...			
Total for works estimated to cost under one lac			
Repairs and maintenance of Irrigation Works.			
Tools and Plant for Irrigation Works ...			
Establishment for Irrigation Works ...			
Grand Total...			

4. Special care should be taken to distinguish between the demands for works estimated to cost a lac of Rupees and over, and that for works costing under that sum.

5. In calculating the demand for Establishment for Irrigation Works, the cost of the Establishments of the Chief and Superintending Engineers employed

*Proceedings of the Madras Government, Public Works Department,
17th September 1867.*

solely on Irrigation Works; and a proportionate share of the cost of the Office of Controller of Public Works Accounts should be taken into account.

6. If there is any difficulty in giving immediately the details now required to be furnished, lump sums may be set down in the rough estimate. The entries should all be made in lacs and fractions, and no entry of less than Rupees 10,000 should be separately made. The object of the estimate is to gain *at once* an indication of the general requirements rather than to obtain any precise details, and it is believed that this may be accomplished without the necessity of referring to Divisional and District Officers.

7. It is to be understood that the estimate now called for should be confined to the demand for *Irrigation* Works, and should not take into account the probable expenditure on other works coming under the general head Agricultural.

8. Further instructions on the system to be followed in carrying out Irrigation Works with money provided by Loan will follow in a few days.

9. It is essential that the estimate now called for should reach the Government of India on or before the 1st October.

No. 413. ORDER THEREON, 17th September 1867, No. 2,878.

IRRIGATION, No. 17.

Ordered that the following letter be despatched:—

(Here enter No. 2,879, dated 17th September 1867.)

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,

Under Secretary to Government.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE,
17th September 1867.

No. 2,879.

No. 414.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

IRRIGATION, No. 18.

1. I am directed by the Governor in Council to forward, in compliance with the request contained in your letter

of the 26th August 1867, No. 84, a rough Estimate of the probable requirements of this Presidency for works classed under "Irrigation" during the year 1868-69.

2. The estimate, having been prepared without reference to the local Officers, has no pretensions either to completeness or accuracy, but this Government believe that the sums applied for on account of Irrigation New Works and Repairs will in the aggregate be found to be sufficient, and no more than can be advantageously expended during the year, though they may be very differently distributed in the regular budget.

3. The separation of an Irrigation branch from the rest of the Public Works Department not having been carried out in Madras, it is impossible to form any reliable estimate of the outlay on establishments which is chargeable to Irrigation, and the item has accordingly been left blank in the statement herewith submitted.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. H. M. SHAW STEWART, Major, R. E.,

Under Secretary to Government.

Exd. S. T. Augustin.

Exd. S. T. Augustin.

*Estimate of the probable requirements of the Madras Presidency under the head
"Irrigation" during the year 1868-69.*

Detail.	Probable amount of Estimate.	Sum that can be expended in 1868-69.	Total.
<i>Works estimated to cost one lac and over.</i>	Lacs.	Lacs.	Lacs.
Widening and improving the Samulcottah canal—Godavery	1.30	1.10	
Works for the cross drainage of the Ellore High Level canal—Godavery...	1.05	.10	
Enlarging, extending, and improving channels in the Masulipatam section of the Kistna Delta to fit them to carry better supplies of water to rapidly extending cultivation—Kistna ...	1.75	.50	
Extending the Commamoor channel and constructing subsidiary works—Kistna ...	1.95	.50	
Channel from Vallabbapooram to tidewater, or western bank channel, and subsidiary works—Kistna ...	1.45	.20	
Sloping down the banks of the main channel from the southern flank of the annicut, and enlarging the head of the main channel from Seetanagram to Doogerallah—Kistna...	2.75	.30	
Enlarging the Ellore canal, Ryves' canal, and erecting the necessary masonry works—Kistna ...	4.10	.60	
Improvements to the Survapally channel in connection with the Nellore annicut—Nellore ...	4.15	1.50	
Madras Water Supply project—Madras ...	6.15	2.50	
Enlargement of the Chembrumbakam tank—Madras ...	3.55	1.50	
Stravigoontam annicut project—Tinnevely ...	8.50	1.	
Total for works estimated to cost a lac and over...	36.70	9.80	9.80
<i>Works estimated to cost under one lac.</i>			
Improvements to the Akood canal—Godavery ...	.80	.40	
Widening the head of the Masulipatam main canal for 1,000 yards, from annicut to head of Ellore branch—Kistna	.20	.10	
Excavating an irrigation channel on the west side of Masulipatam canal, from the 13th mile to Aukamarroo—Kistna...	.50	.20	
Restoring the Dondapaud tank—Kistna ...	.25	.25	
Side channels from Doogerallah to Nizampatam—Kistna...	.50	.25	
Restoring the Mallapah and Seereekalay tanks—Cuddapah and Salem ...	.25	.10	
Vayaloor project for supplying spring water to 18 villages from the Cortelliar river—Madras ...	.45	.45	
Cannapoor project for supplying water to 20 villages from the Cortelliar river—Madras ...	.70	.70	
Vulloor annicut—Madras ...	.40	.40	
Allycoolly project for supplying water from the Naggery river to Chendrapoliam, Thonoor, Terooporoor, and other villages—Madras ...	.13	.13	
Increasing capacity of Madrantacam tank and supplying other tanks from it—Madras ...	.20	.20	
Restoring the Nagapatla tank—North Arcot ...	.25	.25	
Do. the Mallasewaram, do. ...	.15	.15	
Cutting the Pombey channel from the northern end of Ponnair annicut—South Arcot ...	.45	.10	
Lower Coleroon Annicut works—Tanjore ...	.74 .24 .72 .18	} .43	
Regulating works for the improvement of the river Canvery—Tanjore ...	.99		.50
Wyacondan extension project—Trichinopoly ...	.40		.20
Nundiyar annicut extension project—do. ...	.30		.10

Estimate of the probable requirements of the Madras Presidency. — (Concluded.)

Detail.	Probable amount of Estimate.	Sum that can be expended in 1868-69.	Total.
<i>Works estimated to cost under one lac. — (Concluded.)</i>	Lacs.	Lacs.	Lacs.
Sluices in Thadapally channel and aqueduct over the Mungamary stream—Coimbatore	75	10	
Works estimated to cost more than Rupees 2,500 and up to Rupees 10,000	70	50	
Do. Rupees 2,500 and under	3	250	
Total for works estimated to cost under one lac ...	13.25	8.01	8.01
Repairs and maintenance of Irrigation Works	11	11	
Tools and Plant for Irrigation Works	...	...	
Establishment for Irrigation Works... ..	...	...	
Grand total...	60.95	28.81	28.81

Major, R. E.,
Under Secretary to Government.

Estimate of the probable requirements of the Madras Presidency under the head "Irrigation" during the year 1868-69

Detail	Probable amount of estimate 1868-69	Sum that can be expended in 1868-69	Total
<i>Works estimated to cost one lac and over</i>	Lacs	Lacs	Lacs
Ordering and improving the Kaniyakkottai Canal <i>Go. survey.</i>	1.30	1.10	
Works for the crop drainage of the Illore High Level Canal <i>Go. survey.</i>	1.05	.10	
Enlarging, extending & improving channels in the Masulipatam section of the Krishna Delta to fit them to carry better supplies of water to rapidly extending cultivation <i>K. S. S. S.</i>	1.75	.50	
Extending the Commanoor Channel & constructing subsidiary works <i>K. S. S. S.</i>	1.95	.50	
Channel from Kallabhadrapuram to Kottur, or western bank channel, and subsidiary works <i>K. S. S. S.</i>	1.45	.20	
Sloping down the banks of the main Channel from the southern flank of the Anicut & enlarging the head of the main channel from Seta nagaram to Dargavallam <i>K. S. S. S.</i>	2.75	.30	
Enlarging the Illore Canal, Rivers Canal, and erecting the masonry masonry works <i>K. S. S. S.</i>	1.10	.60	
Improvements to the Surasapally Channel in connection with the Kallore Anicut <i>K. S. S. S.</i>	1.15	1.50	
Madras Water Supply project <i>Mad. S. S.</i>	6.15	2.50	
Enlargement of the Chembaram bakam Tank <i>Mad. S. S.</i>	3.55	1.50	
Stressapountain Anicut project <i>Mad. S. S.</i>	8.50	1.	
Total for works estimated to cost a lac and over	36.70	9.80	9.80

[illegible]

Detail	Probably same that amount of currency Estimate 1868-69	Spended in	Total
	Lacs	Lacs	Lacs
Repairs and maintenance of irrigation works	11.	11	
Tools and Plant for irrigation works	"	"	
Establishment for irrigation works	"	"	
Grand Total	~~59.29~~ 59.77 60.95	~~28.75~~ 28.62 28.81	~~88.04~~ 88.63 89.76

1. Vayaloor project - for supplying water
to 18 villages from the Parthivur river. Madras
2. Channaroor project for supplying water
to 10 villages from the ~~Parthivur~~ river. Madras
3. Allycoolly project - for supplying water
from the Kappay river & Chendrapaheem
Theruvu, Lerapoor & other villages
4. Increasing capacity of Madhavaram
Tank & supplying other channels from
it. Madras.
5. Restoring the Kappatta tank
- water Area.
6. Restoring the Wallasewaram tank
Do.

Circular No. 84 of Public Works
Government of India
Public Works Department

Account
Irrigation

To
The Secretary to the Govt. of Madras
Public Works Department

Sd/-
Dated 26th August 1867

Sir,
In order to enable the Government of India to determine the amount which should be fixed as the grant for Irrigation works for the ensuing year, I am directed to request that a rough estimate of the probable requirements of the Government of Madras, under this head during 1868/69, as far as they can now be foreseen may be submitted to the Government of India as early as possible.

2. The Government of India having determined

determined to proceed with these works to the full extent of the expenditure that can be usefully laid out within the year. I am to say that the only limit which will be applied to the demands of Local Governments on this account is that precise and formal designs and estimates have in each case to be carefully prepared and discussed and sanctioned by competent authority before work is commenced. The probability of this being done during 1868/69 in the case of each of the new projects or of projects now under consideration should therefore be borne in mind in the preparation of the rough estimate now called for, and no projects should be inserted unless it is probable that the estimates will be ready.

3. This estimate may be furnished in

in the following simple form.

Detail	Probable Amount of estimate	Sum that could be expended in 1868/69	Total
<u>Works estimated to cost one lakh and over</u>			
Remodelling of large Canal			
Total for works estimated to cost a lakh and over			000
<u>Works estimated to cost under one lakh of rupees</u>			
Here detail each work - the demand for minor works costing Rs 2,500 and under, each being given in one sum			
Total for works estimated to cost under one lakh			
Repairs and maintenance of Irrigation Works			
Tools and Plant for Irrigation Works			
Establishment for Irrigation works			
Grand Total			

4. Special care should be taken to distinguish between the demands for works estimated to cost a lakh of rupees and over - and that for works costing under that sum -

5. In calculating the demand, for ^{for Irrigation works, the cost of the establishment} of the Chief and Superintending Engineer employed solely on Irrigation works - and a proportionate share of the cost of the office of Controller of Public Works Accounts should be taken into account.

6. If there is any difficulty in giving immediately the details now required to be furnished, lump sums may be set down in the rough estimate. The entries should all be made in lakhs and fractions, and no entry of less than 10,000 ^{Rs} should be separately made. The object of the estimate is to gain at once an indication of the general requirements rather than to obtain

152000
obtain any precise details, and it is believed that this may be accomplished without the necessity of referring to divisional and district officers.

7. It is to be understood that the estimate now called for should be confined to the demand for Irrigation Works, and should not take into account the probable expenditure on other works coming under the general head Agricultural.

8. Further instructions on the system to be followed in carrying out Irrigation Works with money provided by Loan will follow in a few days.

9. It is essential that the estimate now called for should reach the Government Secy on or before the 1st October.

I have the honour to be
Sir
Your most obed^t Serv^t

J. Williams Col^l R. A.
Secy to the Gov^t of India

c. 13. 2878/67 A. 135

2878

c. 13. 2878-42879-1738/67

Working for a
rough estimate of the
probable requirements
of the Madras
the necessary officials &
personnel to be
employed under
the various works.

2878

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Public Works Department.

c. 13. 2878

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 17th Sept 1867

Read the following

From the Secretary to the
Govt of India

(Here enter No. 2878 dated 26th Aug 1867)

Ordered that the
following letter be despatched.

To 2879 c. 13. 2879
The Secretary to the
Govt. of India P. W. D.

Sir,
I am directed by the
Governor in Council to for-
ward, in compliance with
the request contained in
your letter of the 26th August 1867,
No. 84, a rough estimate of
the probable requirements
of

W.D.

of this Presidency for works
classed under "Irrigation"
during the year 1868/69.

2. The estimate, having
been prepared without
reference to the local officers,
has no pretensions either
to completeness or accuracy,
but this Government be-
lieve that the sums ap-
plied for on account of
Irrigation new works and
Repairs will in the aggre-
gate be found to be
sufficient, and no more
than can be advantageous-
ly expended during the
year.

3. The separation of
the Irrigation branch
from the rest of the
Public Works Department
not having been carried
out in Madras, it is
impossible to form
any

any reliable estimate of
the outlay on establish-
ments which is chargeable
to Irrigation, and the item
has accordingly been left
blank in the statement
herewith submitted.

Fort St George
17th Sept/67

Sept 18/67 with four
copies of the statement

P. W. 1867. Department.

Pro. of Govt. for September
No. 287842879

PROCEEDINGS OF GOVERNMENT

Madras

Dated

17th September 1867

*Passing orders on a letter
from the Govt. of India request-
ing to be furnished with a rough
estimate of the probable require-
ments for Irrigation works for
the Madras Presidency for 1868/69.*

*By providing the Govt. of
India with the estimate
required by the above letter.*

12.4.12-14.13 & 14.14