M.D.O. 1—77,000—8-6-37.

(1) Number of pages 24

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 2950-51 Press Mis.

389-91

Dated 22 11 1871.

Not to be folded or roughly handled

1-164

No. 389. Read the following Circular from the Government of India, Public Works Department, (Account—General,) dated Simla, 28th October 1871, No. 62:—

Grant for Public Works for 1872-73.

READ again—

Orders on the several Public Works Budget Estimates for 1871-72.

RESOLUTION.—The Governor-General in Council having had under consideration the question of the amount that can be allotted from ordinary revenues for expenditure on Imperial Public Works during 1872-73, has decided that the grant for this purpose shall be fixed at 2 millions sterling, being £388,000 less than the grant for 1871-72. The financial prospects for next year render this reduction necessary. It will have to be carried out in the manner most advantageous to the public interests.

2. It having been decided that the estimates and accounts of the Irrigation Branch of the department shall, from the 1st April next, be separated from those of the general branch of the Public Works Department, it is necessary that the grants for the two departments, including establishment and tools and plant, should be likewise kept distinct. In this view the ordinary grant for the ensuing official year is distributed as follows:—

	1872-73.	1871-72.
	£	£
Public Works	1,330,000	1,690,896
Agricultural	670,000	697,104
Total...	2,000,000	2,388,000A

3. For extraordinary irrigation works the aggregate of the demands submitted by Governments and Administrations amounts to 2¼ millions sterling. But as these demands have been heretofore invariably over-estimated,* the Governor-General in Council considers that one million sterling will be sufficient to meet all probable demands on account of these works for 1872-73, and the total grant for the year for extraordinary irrigation works will accordingly be limited to that amount. If, during the course of the year, it should appear clear that a larger sum from Loan funds can with advantage be spent, the Government of India will be prepared to consider the propriety of making extra grants.

	£
* Average demands per annum from 1868-69 to 1870-71	2,068,500
Average grant do. do. ...	1,124,300
Average outlay do. do. ...	695,652

4. In addition to the irrigation works extraordinary, there will be the charge for the construction of State Railways, and probably the bridge over the Hooghly river, the allotments for which will be determined hereafter.

A.—Includes £20,000 additional grant for Patri Salt Railway Works, and £3,000 additional grant for purchase of furniture for Government House.

5. The total grant to be distributed in these orders amounts to three millions sterling, namely.—

	£	£
Public Works, Ordinary		1,330,000
Agricultural—		
Ordinary	670,000	
Extraordinary	1,000,000	
		1,670,000
Total		3,000,000

BUILDINGS AND ROADS.

6. The grant of £1,340,000 assigned for this head of service is distributed as follows, as compared with the allotment for 1871-72 :—

	Military.		Other Services.		Establishment.		Tools and Plant.		Total.	
	1872-73.	1871-72	1872-73.	1871-72.	1872-73.	1871-72.	1872-73.	1871-72.	1872-73.	1871-72.
	£	£	£	£	£	£	£	£	£	£
Madras	40,000	44,000	7,000	14,000	15,500	24,000	2,500	5,500	65,000	87,500
Bombay ...	155,000	227,000	87,700	123,000	50,800	76,000	2,500	3,200	296,000	429,200
Bengal	100,000	160,000	32,000	22,796	35,500	44,700	2,500	2,820	170,000	230,316
N. W. Provinces ...	100,000	125,000	8,600	9,500	40,000	41,400	6,300	2,500	154,900	178,400
Punjab	150,000	172,000	4,900	1,700	39,100	50,400	1,300	1,300	195,300	225,400
Central Provinces ...	50,000	60,600	5,800	36,000	18,000	23,900	1,500	3,500	75,300	124,000
British Burmah ...	30,000	35,000	1,000	1,400	6,500	6,900	500	100	38,000	43,400
Oudh	30,000	35,000	2,000	3,400	9,600	10,400	400	500	42,000	49,300
Hyderabad ...	27,500	26,800	2,000	2,100	5,000	5,210	500	500	35,000	35,000
Rajpootana ...	30,000	32,000	28,000	28,000	11,000	11,000	300	380	69,300	71,380
Central India ...	85,000	92,600	51,000	61,400	35,000	41,500	1,500	2,000	172,500	197,500
Coorg	...	...	6,000	6,800	2,500	2,530	100	80	8,600	9,500
Port Blair... ...	2,500	2,500	3,000	4,600	2,500	2,700	100	200	8,100	10,000
Total...	800,000	1,012,500	239,000	315,176	271,000	340,640	20,000	22,580	1,330,000	1,690,896

7. The distribution of the grant for Military Works, in which provision is made for the roads to Raneekhet and Chukrata, may possibly be altered on receipt of the detailed Budget Estimates for 1872-73; but it should be understood that no new projects, except those lately sanctioned by the Government of India, are to be entered in the Budget Estimate, and that work is to be stopped wherever it is not required by the new distribution of the troops.

8. The annexed Schedule A. is an abstract of the sums comprising the allotment for Imperial Civil works entered above under the head "Other Services." Provision for these works should be made in the Imperial Public Works Budget Estimate according to the orders that will be issued to the several Local Governments and Administrations concerned.

9. The reduction made in the allotment for works renders necessary a diminution in the charges for Imperial Public Works Establishment, and proposals should be submitted, with reference to Public Works Department Resolution No. 606-15 A.-G., dated 19th September 1871, for bringing down those charges to the sum granted above. If, however, it is found impracticable to adhere to the limit now fixed, the balance must be made good by reduction in the grant for works, as no increase in the total allotment can be expected.

Proceedings of the Madras Government, Public Works Department, 22nd November 1871.

10. The sums now granted for Establishment include under Madras, North-Western Provinces, and the Central Provinces, provision for the establishment of the Madras and Roorkee Civil Engineering Colleges, and for the establishment of the Upper Godavery Works for such period as it may be necessary to retain the establishment to close the works.

11. It having been determined that the existing arrangements under which mathematical instruments are supplied, free of charge, from the Central Instrument Depôt at Roorkee, should still hold good, the grant assigned to the North-Western Provinces for Tools and Plant has consequently been increased to provide for the outlay.

AGRICULTURAL WORKS.

12. The total amount granted for this head of service is £1,670,000, which is distributed as follows, as compared with the allotment for the current year :—

	Ordinary.		Extraordinary.		Total.	
	1872-73.	1871-72.	1872-73.	1871-72.	1872-73.	1871-72.
	£	£	£	£	£	£
Madras	200,000	216,500	120,000	179,500	320,000	396,000
Bombay	90,000	105,800	150,000	197,000	240,000	302,800
Bengal	80,000	96,684	250,000	375,000	330,000	471,684
N. W. Provinces ...	155,000	117,800	150,000	275,000	305,000	392,800
Punjab	107,000	117,700	300,000	342,800	407,000	460,500
Central Provinces ...	1,500	2,500	2,500	10,000	4,000	12,500
British Burmah ...	29,000	29,000	.....	.....	29,000	29,000
Oudh	.....	.....	24,500	85,000	24,500	85,000
Rajpootana ...	7,000	10,620	3,000	.....	10,000	10,620
Coorg	500	500	.....	.....	500	500
Total...	670,000	697,104	1,000,000	1,464,300	1,670,000	2,161,404

13. The grant under Ordinary provides for all agricultural works debitable to current revenue, including embankments in Bengal and British Burmah, and State outlay on guaranteed irrigation works in Madras, as also for the maintenance of agricultural works generally. The proportion of establishment and tools and plants necessary for these works, as also for the collection of canal revenue, is included in the sum now allowed under the head "Ordinary."

14. The grant for extraordinary irrigation works is intended to provide for all works sanctioned by the Government of India as debitable to Loan funds under the operations of Public Works Department Circular No. 94 of 1867, and includes a proper share of the establishment and tools and plants employed on such works.

15. Separate orders will be issued to the several Local Governments and Administrations concerned, regarding the reductions made in their demands for agricultural works.

16. The grants herein assigned include probable payments in England on account of stores for the Public Works and Irrigation Departments, and the Budget Estimates should, therefore, be prepared accordingly.

17. Distinct Budget Estimates should be submitted for the Public Works and Irrigation Departments, respectively, according to the grants herein assigned. On this point separate orders will be issued.

18. In the preparation of the estimate of Public Works revenue, the receipts to be credited to Provincial funds, according to orders that will shortly be issued, should be shown distinct from the receipts to be credited to Imperial funds. The like course should be followed in the preparation of the regular estimate of Public Works revenue for 1871-72.

ORDER.—Ordered that this Resolution be communicated to the Governments and Administrations noted in the margin in the general branch for information and guidance.

Governments of Madras, Bombay, Bengal, North-Western Provinces, and the Punjab; Chief Commissioners, Central Provinces, British Burmah, and Oudh; Resident, Hyderabad; Governor-General's Agents, Rajpootana and Central India, Chief Commissioner, Coorg, and Superintendent, Port Blair.

Ordered also that a copy be forwarded to the Governments and Administrations in the Irrigation Branch for information and guidance, and for the preparation of the distinct irrigation budget estimate according to the grants herein assigned.

Ordered further that a copy be forwarded to the Financial Department and to the Secretary of State for information.

(Signed) C. H. DICKENS, Colonel, R.A.,
Secretary to the Government of India.

Proceedings of the Madras Government, Public Works Department, 22nd November 1871.

SCHEDULE A.

Statement of the distribution of the grant for other services for 1872-73.

—	Telegraph Works.	Postal Works	Mint and Currency Buildings.	Opium Buildings.	Government House Buildings at Calcutta and Barrackpoor and Government of India Secretariat Buildings.	Roorkee College Buildings.	Patri Salt Railway Works.	Kurrachee Harbour Works.	Godavery Navigation Works.	Prongs Light-house.	Mayo College at Ajmere.	Total.
	£	£	£	£	£	£	£	£	£	£	£	£
Madras	5,500	1,500	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,000
Bombay	13,000	12,200	3,500	3,500	.....	.....	30,000	20,000	.....	9,000	.....	87,700
Bengal	12,500	3,500	2,500	.....	10,000	.....	.....	.....	.....	.....	.....	32,000
North-Western Provinces.	600	4,000	.....	2,000	.....	2,000	.....	.....	.....	.....	.....	8,600
Punjab	2,500	2,400	.....	.....	.....	.....	.....	.....	5,000*	.....	.....	4,900
Central Provinces ...	100	700	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,800
British Burmah	700	300	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,000
Oudh	100	400	.....	1,500	.....	.....	.....	.....	.....	.....	.....	2,000
Total...	35,000	25,000	6,000	7,000	10,000	2,000	30,000	20,000	5,000	9,000	.....	149,000
Add for Hyderabad, Rajpootana, Central India, Coorg and Port Blair...											A5,000	90,000
Add for Establishment											...	239,000

* Includes provisions for Tools and Plants, but excludes that for Establishment separating the allotment will shortly be made, and of which due intimation will be made to

A.—Included in grant for Rajpootana, but arrangements for separ
the Governor-General's Agent, Rajpootana.

Desp. 23/11/71
S-C 24/11/71

Proceedings of the Madras Government, Public Works Department, 22nd November 1871.

No. 390. ORDER THEREON, 22nd November 1871, No. 2,950.

ACCOUNT, No. 38.

COMMUNICATED to the several departments of the Secretariat, and to the Chief Engineer for Irrigation, the Superintending Engineers, the Controller of Public Works Accounts, and the General Superintendent of Public Works Stores for information and guidance.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
,, Major R. B. Kennedy.
To the Controller of Public Works Accounts.
,, General Superintendent of Public Works Stores and Workshops.
,, Chief Engineer for Irrigation.
,, Public, etc., Departments.
,, Revenue Department.
,, Military do.

Exd. E. C. Shunker.

PUBLIC WORKS DEPARTMENT,
FORT ST. GEORGE, *22nd November* 1871.

No. 391.

No. 2,951.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

ACCOUNT, No. 39.

SIR,—In acknowledging the receipt of the Resolution of the Government of India, dated 28th October 1871, No. 62, regarding the grant for Public Works for 1872-73, I am directed by the Right Honourable the Governor in Council to invite attention to paragraphs 5 to 7 and 16 of the Report of the Public Works Commission submitted with my letter of the 12th September 1871, No. 2,319. It will be observed that the conclusion arrived at by the Commission on a consideration of the evidence received by them is that the numerous irrigation works of this Presidency are far from being in that condition of efficiency in which they should be placed in the interests of the State and the landowners. The Report shows that during the fourteen years between 1855-56 and 1868-69 inclusive, the average expenditure on the repair of irrigation works was Rupees 11,38,569, or about 7 per cent. of the revenue derived from the irrigated area of the country, and that when the great increase which has taken place of late years in the price of labour and materials is considered, there is reason to believe that the actual outturn of work for the outlay has been smaller during the period referred to than at the time that the Public Works Commission appointed in 1851 had the question under their consideration, when the expenditure was seven lacs of rupees. Convinced that the grant for works of irrigation should be on a scale more commensurate with the requirements of the country, and more in proportion to the revenue derivable from the works, and provided in such a manner as to be independent of the exigencies of Imperial Finance, the Commission suggest that the assignment should be fixed at eight per cent. of the revenue, and taking the revenue on irrigated lands at 170 lacs, the annual grant should, adopting that per-centage, be Rupees 13,60,000 for the maintenance of existing works without reference to the demands arising for the extension and improvement of irrigation to be provided for from the ordinary grant under Agricultural; and remembering that, as shown in the 17th paragraph of the Commissioner's Report, the difference between the revenue derived from irrigated lands and what would be the dry assessment on the same area is no less than 127 lacs of Rupees a year, His Excellency in Council is of opinion that an annual allowance of Rupees 13,60,000 is a very moderate amount to set aside for maintaining such important works in ordinary repair.

2. The assignment proposed to be made in the coming year to this Presidency for Ordinary Agricultural works, inclusive of proportionate charges for Establishments and Tools and Plant, is Rupees 20 lacs. If the scheme of re-organization

now before the Government of India commend itself to that Government, the amount which it will be necessary to set apart for Establishments and Plant will reduce the grant for works to a smaller sum than was available in the current year, and will leave for repairs a sum so totally inadequate as to lead this Government to apprehend the gravest results. The condition of works must necessarily continue rapidly to deteriorate in a far greater degree than at present with a larger though insufficient assignment, and this Government will be quite unable to meet the sudden demands which so frequently arise (as even the experience of the present season has demonstrated in Tanjore and Trichinopoly) to provide for the repair of damages caused by unusual and disastrous floods. Applications for additional funds are being constantly made for irrigation repairs and improvements, and notwithstanding every effort to meet] emergent demands, as far as possible, by transfers wherever practicable, this Government have found it quite impossible to comply with the requisitions to the extent to which the necessities of the case demanded. The following extract from a letter from the Superintending Engineer of the 2nd Division, just received, confirms the opinions above expressed:—

"The allotment for irrigation repairs has not been sufficient for some years past. Estimates considerably in excess have been sanctioned, and Range Officers have been obliged to execute only a portion of the work required during the current season, and to apply for a fresh appropriation for the balance at the commencement of the next year. Many works are consequently only patched up, instead of being thoroughly repaired."

3. I am therefore to request that the Right Honourable the Governor-General in Council will be pleased to re-consider the assignment to this Presidency under Agricultural Ordinary, and bearing in mind how largely the revenue receipts depend on these works being kept in ordinary repair, will increase the grant sufficiently to admit of not less than Rupees 13,60,000 being appropriated for that purpose.

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

Colonel, R.E.,
Secretary to Government.

Ed: S. T. Augusin.

Public Works Dept.

No. 2950.

Proceedings of the Madras Govt.

Read the following

From

The Govt. of India
P. W. D.

H. C. No. 62 of 28th Octr. 1871

Communicated to the several Departments of the Secretariat, and to the Chief Engineer for Irrigation, the Superintending Engineers, the Controller of P. W. Accts & the General Supt of P. W. Stores for information & guidance.

N. B. 16 V.

190
18

To The Supt. Engineers
Chief Engineer
Controller
Genl. Supt. of P. W. Stores
Ch. Engineer for Irrigation
Public Works Secy
Revenue Secy
Military Secy

Desp. 23/11/71
S-C 24/11/71

with my letter of the
12th September 1871
No. 2319. It will
be observed that the
conclusion arrived at
by the Commissioner
of the statistics received
by them is that the
Irrigation works
of this Presidency are
far from being in
that condition of
efficiency in which
they should be placed
in the interests of the
State and the land
owners. The Report
shows that during
the 14 years between
1855/6 and 1868/9 in
which the average
expenditure on the
works of irrigation
was Rs. 11,38,356 or
about 7 per cent of the
revenue derived from
the irrigated area of
the Country, and that
when the great increase
which has taken place
of late years in the
prices of labor and in
incidentals is considered
there is reason to believe
that the bolstered outturn
of works for this purpose
has been allowed
during the period
referred

referred to than the
time that the Public
Works Commission
appointed by in 1851
had in the execution
under the then consolidated
rules & laws of Re-
Commended that the
grant for works of
irrigation should be
on a scale more in
commensurate with
the requirements of
the Country and
provide with reference
to the Revenue derivable
from the works, and
provided in such a
manner as to be
independent of the
exigencies of the period
of Finance, the Commission
suggested that the
assignment should
be fixed at 8 per cent
of the Revenue, and
taking the revenue
on irrigated lands
at 170 lacs the an-
nual grant should
aggregating that per-
centage be Rs. 13,60,000
for the maintenance
of existing works
without reference to
the demands arising

for the execution and
improvement of irrigation
to be provided for
from the ordinary
grant under Agricultural;
and remembering
that as shown in the
statement of the Commissioner's report that
the difference between
the Revenue derived
from irrigated lands
and what would be
the assessment
on the same area
no less than 127 lacs
of Rs a year, His
Excellency in Council
is of opinion that
an annual allowance
of Rs 13,60,000 is a
very moderate amount
to set aside for
maintaining such
important works in
ordinary repair.

The development
proposal to be made
in the coming year to
the Presidency for
ordinary Agricultural
works, moreover upon
proportionate charges
for Establishments and
Tools and Plant is
Rs 20 lacs - If the
scheme of reorganisation
now before the
Post of Director

commend itself to
that Government, the
amount which it will
be necessary to set
apart for Establishments
and Plant will re
duce the grant for
works to a smaller
amount than was available
in the current year,
and will leave for
repairs damage totally
inadequate, to lead
the Govt. to apprehend
the gravest results.
The condition of works
must necessarily
continue rapidly to
deteriorate in a far
greater

greater degree than
at present, with a
larger insufficient
assignment, and this
Government will be
quite unable to meet
the sudden demands
which so frequently
arise (as even the
experience of the
present season has
demonstrated in
Tanjore and Trichinopoly)
to provide for the repair
of damages caused
by unusual and
disastrous floods.
Applications for
additional funds
are

are being constantly made for irrigation repairs and improvements; and notwithstanding every effort to meet emergent demands, as far as possible, by transfers wherever practicable this Govt. have found it quite impossible to comply with the requisitions to the extent to which the necessities of the case demanded. I am therefore to request that

The following Extract from a letter from the Superintg. of the 2nd Divn. just received, confirms the opinions above expressed -

"The allotment for irrigation repairs has not been sufficient for some years past."

"Estimates considerably in excess have been sanctioned, and Range Officers have been obliged to execute only a portion of the work required during the Current season, and to apply for a fresh appropriation for the balance at the commencement of the next year."

"Many works are consequently only patched up, instead of being thoroughly repaired."

that the Right Honorable the Governor General in Council will be pleased to reconsider the assignment to this Presidency under Agricultural Ordinary, and bearing in mind how largely the Revenue receipts depend on these works being kept in ordinary repair will increase the grant sufficiently to admit of not less than Rs. 13.60.000 being appropriated for that purpose -

desp. 23/11/71
S-C 24/11/71

22-7-15 B IV-V

1.

P.W. 5304

Govt. of {1871} Madras.

PUBLIC WORKS.

To The Superintending Engineers
and
To The Secretary to the
Govt of India

Dated

Recd. Encl.

G. O. 22nd Nov 1871, No. 2950-2951

Nos. 389-390 & 391

Public Works Grant for 1872/73.

Circular from the Govt of India respecting Grant for Pr. Wks for 1872/73, (on ?)
Heads Concerned.

Respecting the Circular of the Govt of India No. 62 P.W. of 1871 regarding Public Works Grant for 1872/73.

G. 16. Nov 1871 Cd. 185