

(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.	914	Press
B.P. No.		Mis.
563-564		
Dated	26-3-	1873.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
24th March 1873.*

No. 85.

No. 563. *Note by the Chief Engineer for Irrigation.*

THE accompanying abstract statement shows the amounts of the allotments for Agricultural Repairs as fixed in G. O., No. 1,671, of the 11th July 1872, also the District Grants for Minor New Works together with the amounts of estimates sanctioned and the expenditure incurred up to the 31st December, or during three-fourths of the year, for all districts except Tanjore, and up to the 30th November for this latter district.

2. The general result is as follows:—

	RS.
Grant for repairs exclusive of the amount reserved by Government	13,60,000
Expenditure	7,63,153

The proper expenditure during the first nine months of the official year may be taken at about 65 per cent. of the grant for Repairs, and it should reach 75 per cent. of that for Minor New Works. Consequently the former has fallen short by 9 per cent.

	RS.
The Grant for Minor New Works was	73,000
Expenditure	34,963

and adequate progress has not been made therefore with this class of works. District Engineers require to give special attention to this subject, for all over the country there are hundreds of tanks requiring additional escapes and sluices, while in the deltas there is still a good deal to be done under this head. It may here be remarked that where completion estimates, containing provision for minor masonry works, have been sanctioned, as in the Godavery Delta, the grant for the district under this head in 1873-74 and subsequent years, for at least some time to come, should be reduced to what is needed for the other parts of the district.

3. Taking the districts individually, the subjoined particulars exhibit the progress made in each:—

	REPAIRS.		MINOR NEW WORKS.	
	Assumed proper per-centage.	Actual per-centage.	Assumed proper per-centage.	Actual per-centage.
	RS.	RS.	RS.	RS.
1. Kistna	65	98	75	50
2. Salem	...	88	...	72
3. Coimbatore	...	87	...	98
4. Tinnevely	...	79	...	65
5. Vizagapatam	...	78	...	28
6. Malabar	...	78	...	...
7. Godavery	...	68	...	75
8. South Arcot	...	65	...	54
9. Tanjore	...	54	...	84
10. Nellore	...	52	...	51

*Proceedings of the Madras Government, Public Works Department,
24th March 1873.*

	REPAIRS.		MINOR NEW WORKS.	
	Assumed proper per-centage.	Actual per-centage.	Assumed proper per-centage.	Actual per-centage.
11. Ganjam	RS.	RS.	RS.	RS.
12. Madura	...	46	...	55
13. North Arcot	...	44	...	54
14. Trichinopoly	...	41	...	15
15. Kurnool	...	38	...	27
16. Bellary	...	36	...	26
17. Presidency	...	36	...	10
18. Chingleput	...	25	...	No allotment.
19. Cuddapah	...	19	...	...
	...	16	...	3

In the first eight of the above districts the progress made in carrying out repairs is, so far as expenditure is an indication, quite satisfactory. Only four districts, Salem, Coimbatore, the Godavery and Tanjore, have made satisfactory progress with Minor New Works. In Chingleput and Cuddapah the outlay was about one-fourth of what it should have been, and there is not apparently the smallest probability of the grants being worked out within the year.

4. On applications received from the several districts the following additional grants have been made for Repairs and Minor New Works:—

	Districts.				Repairs.	Minor New Works.
					RS.	RS.
G. O., 23rd Nov. 1872, No. 2,757.	Kistna	...	...	...	17,000	...
	Nellore	...	...	...	...	1,000
	Salem	...	...	...	33,000	500
	Tanjore	...	...	...	...	2,500
	Tinnevely	...	...	...	...	...
	Coimbatore	...	...	...	20,000	...
G. O., 16th Jan. 1873, No. 152.	Godavery	...	...	...	20,000	1,500
	Vizagapatam	...	...	...	30,000	5,000
G. O., 2,073, 30th Aug.	Ganjam	...	...	...	2,500	1,000
	North Arcot	...	...	...	5,500	1,000
		...	...	...	50,000	...
	Total...				1,78,000	...

* G. O., No. 2,493, October 22nd.

To meet these additional grants Rupees 50,000, which were held in reserve by the Government, are available, and the balance must be provided from districts which are not likely to spend their allotments. In G. O., No. 311, of the 30th January 1873, Rupees 515 were transferred from Madura to Malabar, sanction has also been given to the transfer of Rupees 10,000 from North Arcot to South Arcot, and Rupees 18,000 have been transferred from Cuddapah to Tools and Plant. Again, the sum transferred from the Godavery repair allotment to the Rahitapuram road has, with the exception of Rupees 3,000, been returned.

*Proceedings of the Madras Government, Public Works Department,
24th March 1873:*

5. Allowing for the additional grants and the transfers, the subjoined statement shows the sums available for expenditure in the several districts from the repair allotments on the 1st January last:—

Districts.	Balances.	Average expenditure of nine months.	Probable outlay of three months.	Difference of Columns 2 and 4, or amount available for transfer.
1	2	3	4	5
	RS.	RS.	RS.	RS.
Ganjam	21,731	1,530	12,731	9,000
Vizagapatam	5,488	1,612	5,488	...
Godavery	81,793	13,200	60,793	21,000
Kistna	18,361	9,070	30,361	*12,000
Nellore	38,316	4,632	18,316	20,000
Bellary	31,903	2,177	15,903	16,000
Cuddapah	36,612	1,154	16,612	20,000
Kurnool	15,800	1,022	7,800	8,000
Presidency	2,256	83	1,256	1,000
Chingleput	89,410	2,288	29,410	60,000
North Arcot	1,10,606	7,155	50,606	60,000
South Arcot	50,129	8,320	30,129	20,000
Salem	39,500	5,167	21,500	15,000
Tanjore	71,894	10,390	56,894	15,000
Trichinopoly	49,930	3,452	24,930	25,000
Coimbatore	27,414	5,843	27,414	...
Malabar	754	96	754	...
Madura	27,311	2,464	15,311	12,000
Tinnevely	34,641	6,306	24,641	10,000
Total...	...	...	...	3,12,000

* Additional likely to be required.

It will be seen from the above that the Kistna and Coimbatore, Malabar and Vizagapatam districts are those which alone are likely to utilize their original and additional grants. The balance in the Godavery will be partly due to the re-transfer of funds from the Rahitapuram road. The additional grant to North Arcot, made in G. O., of the 30th August 1872, No. 2,073, may be cancelled, as the original grant is not likely to be fully expended.

The additional grant to Salem may be reduced by	...	...	...	RS.
Do. do. Tinnevely do.	...	...	...	15,000
Do. do. Godavery do.	...	...	...	5,000
Do. do. Ganjam (cancelled) do.	...	...	...	10,000
Do. do. North Arcot do.	...	...	...	5,500
				50,000
Total...				85,500

and the remainder of the 1,78,000 Rupees to be provided can be transferred from

Nellore	...	...	...	...	RS.
Bellary	...	...	...	...	10,000
Cuddapah	...	...	...	...	6,000
Kurnool	...	...	...	...	10,000
Chingleput	...	...	...	...	4,000
Trichinopoly	...	...	...	...	45,000
					17,500
Total...					92,500

If more money can be spent in the Kistna, it can be transferred from South Arcot and Madura.

FORT ST. GEORGE,
13th February 1873.

(Signed) C. J. SMITH, Captain, R.E.,
for Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,
24th March 1873.

A.
Statement showing the amounts sanctioned and expended on Repairs and Minor New Works Agricultural up to December 1872.

Districts.	REPAIRS AGRICULTURAL.			MINOR NEW WORKS AGRICULTURAL.			Remarks.
	Allotments.	Amounts of estimates sanctioned.	Amounts expended.	Allotments.	Amounts of estimates sanctioned.	Amounts expended.	
	RS.	RS.	RS.	RS.	RS.	RS.	
Ganjam ...	30,000	26,839	13,769	1,000	888	556	
Vizagapatam ...	17,500	17,244	14,512	500	1,001	138	
Godavery ...	1,73,500	1,78,638	1,18,707	6,000	5,979	4,511	
Kistna ...	83,000	1,84,528	81,639	5,000	9,401	2,454	
Nellore ...	80,000	1,84,105	41,684	5,000	5,380	2,574	
Bellary ...	51,500	49,634	19,597	4,000	2,416	394	
Cuddapah ...	65,000	40,665	10,388	4,000	1,381	123	
Kurnool ...	25,000	25,000	9,201	2,000	519	364	
Presidency ...	3,000	951	744				
Chingleput ...	1,10,000	71,238	20,591	5,000	1,630		
North Arcot ...	1,35,000	1,81,286	64,394	6,000	4,703	941	
South Arcot ...	1,15,000	1,23,844	74,871	6,000	6,608	3,279	
Salem ...	53,000	71,008	46,500	2,000	2,830	1,441	
Tanjore ...	1,55,000	1,52,835	83,106	10,000	9,898	8,378	Up to Nov. 1872.
Trichinopoly ...	81,000	64,813	31,070	3,000	2,831	812	
Coimbatore ...	60,000	69,923	52,586	2,500	3,828	2,466	
Malabar ...	1,100	1,100	861	500			
Madura ...	50,000	47,502	22,174	3,000	3,050	1,626	
Tinnevely ...	71,400	88,059	56,759	7,500	7,255	4,906	
Total...	13,60,000		7,63,153	73,000		34,963	

FORT ST. GEORGE,
13th February 1873.

(Signed) C. J. SMITH, Captain, R.E.,
for Chief Engineer for Irrigation.

No. 564.

ORDER THEREON, 24th March 1873, No. 914.

IRRIGATION, No. 26.

His Excellency the Governor in Council resolves to defer the review of these papers until the actual expenditure on Agricultural Minor New Works and Repairs is reported in due course after the close of the year. Meanwhile the demands of District Engineers, as embodied in their statements of savings, will be complied with, in separate orders, and Lieutenant-Colonel Mullins' Note will be printed and communicated to District Engineers.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
,, Controller of Public Works Accounts.
,, District Engineers.

Erd. S. T. Austin.

Enclosure
one

No. 85. ...
Note by the Chief Engineer for Irrigation
The accompanying abstract statement shows the amounts of the allotments for agricultural repairs as fixed in G. O. No. 1671 of the 11th July 1872, also the District Grants for Minor New Works together with the amounts of estimates sanctioned and the expenditure incurred up to the 31st December, or during three fourths of the year, for all districts except Tanjore, and up to the 30th November for this latter district.

2. The general result is as follows:
Grant for repairs exclusive of ...
of the amount reserved ...
by Government. 13,60,000
Expenditure 7,63,153.

The proper expenditure during the first six months of the financial year may be taken at about 65 per cent of the grant for repairs and it should reach 75 per cent of that for minor new works. Consequently the former has fallen short by 9 per cent.
The grant for minor new works was Rs. 73,000.
Expenditure 34,963.

and adequate progress has not been made therefore with this class of works. District Engineers require to give special attention to this subject. In all over the country there are hundreds of Tanks requiring additional escapes and sluices while in the Delta there is still a good deal to be done under this head. It may here be remarked that where completion estimated containing provision for minor masonry works, have been sanctioned as in the Godavari Delta, the grant for the District under this head in 1873-74 and subsequent years for at least some time to come should be reduced to what is needed for the other parts of the District.

3. Taking the Districts individually, the subjoined particulars exhibit the progress made in each

	Repairs		Minor New Works	
	Assumed proper percentage	Actual percentage	Assumed proper percentage	Actual percentage
1. Pichna	65	98	75	50
2. Salem		88		72
3. Coimbatore		87		98
4. Simsalga		79		65
5. Vizagapatnam		78		28
6. Anantapur		78		0
7. Godavari		68		75

8. North Arcot	65	54
9. Tanjore	54	84
10. Nellore	52	57
11. Ganjam	46	53
12. Madras	44	54
13. North Arcot	41	15
14. Trichinopoly	38	27
15. Kurnool	36	26
16. Bellary	36	10
17. Presidency	25	no statement
18. Chingleput	19	0
19. Cuddapah	16	3

In the first 8 of the above districts the progress made in carrying out repairs is so far as expenditure is an indication, quite satisfactory. Only four Districts Salem Coimbatore the Godavari and Tanjore have made satisfactory progress with minor new works. In Chingleput and Cuddapah the outlay was about one fourth of what it should have been and there is not apparently the smallest probability of the grants being worked out within the year.

4. On applications received from the several Districts the following additional grants have been made for Repairs and minor new works.

Repairs

4.O. 23rd November 1872
4.O. 27th 1873
4.O. 16th June 1873
4.O. 20th 1873
30th August

Repairs. Minor New Works	
Kistna	17,000
Nakore	1000
Salem	33,000 500
Tanjore	2500
Tinnevely	20,000
Trimbakore	20,000 1500
Godavry	30,000 5000
Vizagapatam	2500 1000
Ganjam	5,500 1000
Kotha Acre	50,000
	170,000

+ B.O. 2493
October 22nd

To meet these additional grants Rs 50,000 which were held in reserve by the Government are available and the balance must be provided from Districts which are not likely to spend their allotments.

In G.O. No 311 of the 30th January 1873 Rs 515 were transferred from Madras to Malabar sanction has also been given to the transfer of Rs 10,000 from Kotha Acre to South Acre, and Rs 18,000 have been transferred from Cuddapah to Tools and Plant. Again the sum transferred from the Godavry repair allotment to the Palitapuram road has, with the exception of Rs 3000 been returned.

5. Allowing for the additional grants and the transfers the subjoined statement shows the

G.O. No 1286 dated 14th May 1872

sums available for expenditure in the several Districts from the repair allotments on the 1st January last.

Districts	Balances	Average expenditure of 9 months	Probable outlay of 3 months	Difference of Col. 2 & 4 or amount available for transfer
1	2	3	4	5
Ganjam	21,731	1530	12,731	9,000
Vizagapatam	5488	1612	5488	—
Godavry	81,793	13,200	60,793	21,000
Kistna	18,361	9,070	30,361	12,000 addition at likely to be required.
Nakore	38,316	4632	18,316	20,000
Bekamp	31,903	2,777	15,903	16,000
Cuddapah	36,612	1154	16,612	20,000
Kurnool	15,800	1022	7,800	8,000
Pratigany	2,256	83	1,256	1,000
Chingelpet	89,410	2,288	29,410	60,000
Kotha Acre	110,606	7,155	50,606	60,000
South Acre	50,129	8,320	30,129	20,000
Salem	39,500	5,167	24,500	15,000
Tanjore	71,894	10,390	56,894	15,000
Trichinopoly	49,930	3,452	24,930	25,000
Trimbakore	27,414	5,843	27,414	—
Malabar	754	96	754	—
Madras	27,311	2,464	15,311	12,000
Tinnevely	34,641	5,305	24,641	10,000
				312,000

It will be seen from the above that the Kistna and Trimbakore, Malabar and Vizagapatam Districts are those

which ^{alone} are likely to utilize their original and additional grants. The balance in the Godavary will be partly due to the retransfer of funds from the Krishnaapuram road. The additional grant to North Arcot made in G.O. of the 30th August 1872 Rs. 2073 may be cancelled as the original grant is not likely to be fully expended.

The additional grant to Salem may be

reduced by	15,000
Trimmerville, by	5,000
Godavary	10,000
Ganjam (cancelled)	5,500
North Arcot	50,000
<u>Total</u>	<u>85,500</u>

and the remainder of the 1,78,000 Rupees to be provided can be transferred from:

Nallore	10,000
Bellary	6,000
Juddapah	10,000
Kurnool	4,000
Chingelput	45,000
Trichinopoly	17,500
	<u>92,500</u>

If more money can be spent in the Krishna it can

be transferred from South Arcot and Madurai.

Fort St. George. - 2
13th February 1873 3
O. S. S. S. Capt. R. Co.
for Chief Eng. for Irrigation

To The Secretary to Government
P. W. Department.

W. S. S.

A
Statement showing the amounts sanctioned and expended on Repairs and Minor new works
Agricultural up to December 1872.

Districts	Repairs Agricultural			Minor new works Agricultural			Remarks
	Allo- ments	Amounts of Estimates sanctioned	Amounts expended	Allo- ments	Amounts of Estimates sanctioned	Amounts expended	
Bombay	30,000	26,839	13,769	1,000	888	556	
Agapatare	17,500	17,244	14,512	500	1001	138	
Surat	173,500	178,638	113,707	6,000	5,979	4,511	
Baroda	83,000	184,528	81,639	5,000	9,401	2,454	
Udaipur	80,000	184,105	41,684	5,000	5,380	2,574	
Ballary	51,500	49,634	19,597	4,000	2,416	394	
Adapaah	65,000	44,865	10,388	4,000	13,81	123	
Surmool	25,000	25,000	9,201	2,000	519	364	
Residency	3,000	951	744	"	"	"	
Amalpur	110,000	71,238	20,591	5,000	1630	—	
At the Decol	135,000	181,236	64,394	6,000	4,703	941	
At the Decol	115,000	123,844	74,871	6,000	6,608	3,279	
Alm.	53,000	71,008	46,500	2,000	2,830	1,441	
Amjore	155,000	152,835	83,106	10,000	9,898	8,378	up to November 1872.
Amalpur	81,000	64,813	31,070	3,000	2,831	812	
Amalpur	60,000	69,923	52,586	2,500	3,828	2,466	
Malabar	11,000	1,100	861	500	"	"	
Malabar	50,000	47,502	22,174	3,000	3,050	1,626	
Amalpur	71,400	83,059	56,759	7,500	7,255	4,956	
Total	1360000	763153	73000	34963			

Fort Saint George
13th February 1873

W. Smith
for Chief Engineer for Amalgamation

Camp

11 Aug 1872 345-502
 11 Aug 1872 199-209
 22 Aug 1872 510-585
 22 Oct 1872 403-424
 23 Nov 1872 376-385
 16 Jan 1873 302-304
 30 Jan 1873 634-635

The Secy to Govt
 P. M. S.
 Dated 13th Feb. 73.
 Recd 19-0-73

Recd. no.

Note on the Slide.

- Amounts of expenditure
 on repairs & minor
 new works Agricultural
 for Dec. 1872.

1872-73 21/11/73

Disbursements proposed by
the Chief Engineer for migration
for the adjustment of the allotments
for migration repairs are approved

2. The Government here with regret
that the progress made in the prosecution
of repairs to migration works has in
some Districts been very unsatisfactory.
Chief Engineer Bondrupah had up
to the 31 December, made almost hardly
any progress at all, and his Excellency
the Governor in Council trusts that
the District Engineers will take care
that their administration is such
for the future as to render such an
unsatisfactory result impossible.

3. All District Engineers should take
care that the greater portion of the work
to be done in any year is settled before its
commencement; and much of it
now, & nearly all of it hereafter, should be
arranged with direct reference to
what they have themselves observed to be

24 March 1873
P. 1128/73

repair during their term of office.

4. The importance of providing tanks with escapes and valves, when the existing works are insufficient for the safety and efficiency of the works,

It is to be noted, that District Engineers

should give steady attention to this subject, and the Government will expect

yearly reports to find that the allotments

for the year are fully utilized, while,

as far as may be practicable, these

allotments will be supplemented should

work become available during the year.

13/2/73

The arrangements proposed by the Chief Engineer for Irrigation for the adjustment of the allotments for Irrigation repairs are approved.

2. The Government learn with regret that the progress made in the prosecution of repairs to Irrigation works has in some Districts been very unsatisfactory - Chengput and Ludhiana

had, up to the 31st December, made hardly any progress at all, and His Excellency the Governor in Council trusts that the District Engineers will take care that their administration is such for the future as to render such an unsatisfactory result impossible.

3. All District Engineers should take care that the greater portion of the work to be done in any year is settled before its commencement; and much of it now, and nearly all of it hereafter, should be arranged with direct reference to what they have themselves observed

to be necessary during their tours of inspection.

4. The importance of providing tanks with escapes and sluices, when the existing works are insufficient for the safety and efficiency of the works, is so great, that District Engineers should give steady attention to this subject, and the Government will expect year by year to find that the allotments for this purpose are fully utilized; while, as far as may be practicable these allotments will be supplemented should funds become available during the year.

C. J. P.
C. J. P.

914
No. 114
Public Works Department

Proceedings of the Madras Government
Read the following

From The Chief Engineer } H.E. No. 85 of 13th Feb 1873
for Irrigation.

His Excellency
the Governor in Council
resolves to defer the review
of these papers until
the actual expenditure
on Agricultural Minor
New Works and Repairs
is reported in due course
after the close of the year.
Meanwhile the demands
of District Superintending Engineer,
as

N.E.

914
No. 114
Public Works Department

Proceedings of the Madras Government
Read the following

From The Chief Engineer } H.E. No. 85 of 13th Feb 1873
for Irrigation.

His Excellency
the Governor in Council
resolves to defer the review
of these papers until
the actual expenditure
on Agricultural Minor
New Works and Repairs
is reported in due course
after the close of the year.
Meanwhile the demands
of District Superintending Engineer,
as

N.E.

as embodied in their State-
ments of Savings ^{will} have
been complied with, in
separate orders, and
Lieut Colonel Mullins
note will be printed and
communicated to District
Engineers. G.M.W.

1/2/12

Sept. of 1873 Madras
PUBLIC WORKS.

The Chief Engineer for
Irrigation

Date

Recd.

Encl. f.

G. O 24 "clear" 8914

Nos. 563 & 564

Agricultural Minor
new Works and Repairs.

Referring the Review of ~~the~~
~~before~~ the Statements
of expenditure on Agri-
cultural Minor new
works & repairs pending
intermission of certain
information.

To Mr. Ch. Engineer for District
" Controller
" District Engineer

Decr 26/3/73

G. M. W. 12/12/73