

(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.	1834	Press
B.P. No.		Mis.
312-313		
Dated	17. 7.	18. 73.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
17th July 1873.*

No. 312. Read the following Proceedings of the Board of Revenue, dated
20th June 1873, No. 1,064 :—

ABSTRACT.—*Public Works*—executed in Godavery District during 1872-73.—
Report of Collector on—, submitted to Government with remarks.

No. 313. ORDER THEREON, 17th July 1873, No. 1,834.

ESTABLISHMENT, No. 32.

COMMUNICATED to the District
Engineer, Godavery.

(True Extract.)

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

To the District Engineer, Godavery.
" Chief Engineer for Irrigation.

Exd. W. H. French.
Spare Copies.

Am Do & Co.
Irri gation

1 Extension of Irri gation in the Eastern Delta.

11,80,800 95,233/11,88,531

Canal faul Estimate
Earthwork.

Improving Canals } Earthwork. 0.79

Canal. ————

Tossipuri new side } Completed 1.00

channel. ————

Do - South side do } Do 1.00

Tullabhadra Drain. Earthwork. 0.66

Masonry works. 0.92

Lackat Tossipuri: Decanating } 1.00

Atorio & filling in } 1.00

Rough stone in Chunnam } 1.00

Do } 1.00

Cut stone coping and } 0.64

floors in } 1.00

Brick in Chunnam } 1.00

Cut stone quoins } 1.00

Rough stone apron } 1.00

Concrete } 1.00

Plastering 2 coats } 1.00

of Chunnam } 1.00

Caligala at Decanating } 1.00

Foundation } 1.00

filling in } 1.00

Concrete } 1.00

Rough stone in } 0.8

Chunnam } 1.00

Cut stone } 0.86

in Chunnam } 1.00

Brick in Chunnam } 1.00

Do } 1.00

Rough stone } 1.00

Apron } 1.00

Plastering } 1.00

with 2 coats } 1.00

of Chunnam } 1.00

Lackat Shinday Decanating } 1.00

filli Foundation } 1.00

& filling in } 1.00

Concrete } 1.00

Rough stone } 0.73

in Chunnam } 1.00

Cut stone } 1.00

quoins } 1.00

Brick in Chunnam } 1.00

Do } 1.00

Rough stone } 1.00

Plastering with 2 coats $\frac{1}{2}$ Sq. 1.00
of chunam
Cut stone coping $\frac{1}{2}$ Sq. 0.64
flooring
Caligula at } Erection foundations $\frac{1}{2}$ Sq. 1.00
Shidhapala } & filling in
Concrete do 1.00
Rough stone in chunam do 0.53
Cut stone do do 0.80
Rough stone approx do 1.00
Brick in chunam do 1.00
Plastering with 2 coats of chunam $\frac{1}{2}$ Sq. 1.00
Laekattien } Erection foundations $\frac{1}{2}$ Sq. 1.00
idapaian } & filling in
Concrete do 1.00
Cut stone coping $\frac{1}{2}$ Sq. 0.41
flooring
Rough stone in chunam do 0.96
Cut stone quoins do 1.00
Brick in chunam do 1.00
Rough stone approx do 1.00
Plastering with 2 coats of chunam $\frac{1}{2}$ Sq. 0.33
Caligula at do } Erection foundations $\frac{1}{2}$ Sq. 1.00
filling in
Concrete do 1.00
Rough stone in chunam do 0.52
Brick in chunam do 1.00
Cut stone do do 0.72
Rough stone approx do 1.00
Plastering with 2 coats of chunam $\frac{1}{2}$ Sq. 0.33
Laekatouir } Foundations $\frac{1}{2}$ Sq. 0.90
Concrete do 1.00
Rough stone in chunam do 0.94
Cut stone coping $\frac{1}{2}$ Sq. 0.52
flooring
Cut stone quoins do 0.95
Brick in chunam do 0.35
Rough stone approx do 0.26
Plastering with 2 coats of chunam $\frac{1}{2}$ Sq. 0.8

11
 Reef house at Chindapilly } Excavating foundation } Cqrs 1.00
 Rough stone in Chinnam do 1.00
 Brick in Chinnam do 0.95
 Arch work - Cft 1.00
 Mud wall - Cqrs 0.89
 Concrete - do 1.00
 Shaking to frame, Sqr 1.00
 room - Sft

Head sluice at the opadu } Foundation. Cqrs 1.00
 High level } Concrete - do 1.00
 Channel } Rough Stone in Chinnam do 1.00
 Rough Stone Apron do 1.00

Mandapeta Canal Estimate

Earthwork
 Kutukuludrain. Earthwork. 1.00
 Masonry brook.

Thaformaram } Excavating foundation } Cqrs 0.5
 New duct. } Stones & filling in }
 Salugula at } do do do 0.99
 Toolliakhaga } Concrete - do 1.00
 Cut stone in Chinnam do 0.84
 Rough stone Apron do 0.24
 do in Chinnam do 0.99
 Brick in do do 1.00

Padurshidaz } Completed. 1.00
 aqueduct }

Samulcata Canal Estimate

Earthwork.
 Bekavuludrain. Earthwork 0.31
 Masonry brook

Escape over Bheema } Completed 1.00
 Varan aqueduct wall }

Biekanulu kol drop do 1.00
 do do do do 1.00

Bhuvanaram sluice } Foundation } Cqrs
 (Excavation of) 1.00

Rough stone in Chinnam do 1.00
 Cut stone in do do 1.00
 Arch work do 1.00
 Concrete do 1.00

2. Completing the Western Section of the Grand Delta

1304, 640 639954, 101, 19844, 116

Poughetone in ^{cap} ad
Chunam — 3

Books finished	Books in progress.	state of progress
1 Peravalli Lock	1 Kuravapur Canal	Dep't working of 4' above floor.
2 Do - Mir	2 Mangalathur Extension	Earthwork about 3/11 done
3 Stampur Lock		
4 Do - Mir		
5 Keggipudi Sluice & Canal	Bank Canal	
6 Konteri do	"	
7 Druva under Tunnel	Attiti Canal.	
8 Two under Tunnels	3 Godicheerla Lock.	Dep't working of 4' 6" above floor.
9 Godicheerla Weir	4 Earthwork.	4 3/16 to 12 miles 3/4 done
	Junction Canal.	
10 Mid Level Channel Head & Line	5 Double Lock. Finished	except Kuppings & bridge one, tail bay
11 Low Level Channel Head & Line	6 Earthwork.	Finished except bottom yard from Lock to Mysore
	Kuriah & Kijeru Canal	
12 Alteration of Chittakam Spandus	Ellore Canal	
13 Earthworks	7 Mid Level Channel.	Earthwork 1/4 done 302109 Cyp's done Masonry 3/4 done
14 Dams from 7 miles Ind. Channel	8 Low Level Channel.	Earthwork finished. Ma- sonry finished
	9 Dams from 9 1/2 miles Mid Level Channel	except filling Sluice Earthwork about 3/4 done. Masonry - 1/2 done

3 Southside Channel from Shapooran on Pandā-
peha Canal

4 Side Channel from Medapadu on Southside

5 Constructing a new drop weir at the end of
Samuletha Canal

Minor new works to Irrigation Canals & see
Total Irrigation

10 Drainage Division. Earthwork about
3/4 done. Masonry
just commenced

11 Pandicutu Drain. Earthwork
(say) 7/15 done

Medi Canal
12 Earthwork H. - 0 to 5 miles finished

Drainage
13 Gudamur About 38801 C. yds
or 1/16 done

14 Kaja. Widening & improving
done here & Kuvavapur
straight cut
from Padur drain
carried out

15 Bondada About 20304 C. yds done

16 Puggowaram. 3/4 finished

17 Drain west of - Earthwork
Mussapur Canal } main channel
finished.
Masonry do

Wris at Gudamur. Dep to level
of cushion floor

18 Three post holes. 1 nearly
finished.

4850 3086 " .. Completed.
4460 16083 82 61 Work closed as per para 2
of G. O. No 574 dated 20 February
1873

2650 " 145023 nearly complete.

4514151 750322

16393458 24773371

Communications

Metalled Roads

- 1. Constructing Road from Rajahmundry to Rajahmundry Government House
- 2. River embankment road on the West bank of the Godavari between Rajahmundry & Pallanam

47,330 " " 3000 11
80,000 " " 13,611 94
166,111 3

Earth work done, as far as above Sillapudi canal. grass being planted.

Bridges

- 1. Constructing an Iron Girder Bridge over old Sullakhaiga Channel
- 2. Do Do across Samulcata Canal

3,190 155 136 99 71 In progress.
8,850 96 14 " Completed.
251 1410 99 71
251 1410 167 11 24

Total Bridges
Total Communications

Buildings

Civil Administration

Revenue

Land & Miscellaneous

- 1. Sinking well, and constructing Hospital shed near the Sub Magistrate's Cutchery at Rajahmundry
- 2. Improving the Sub Magistrate's Cutchery at Alampur
- 3. Alterations & improvements to the Sub Magistrate's Cutchery at Picanada
- 4. Improvements to the Deputy Collector's Office at Picanada
- 5. Constructing Jail Cutchery and Subsidiary jail at Piddapur

1,920 43 79 10 43 Completed.
3,340 119 83 942 46 Do
500 136 9 " Do
440 360 55 " Do
2,2560 " 10,399 13

Cutchery walls raised to a height of 13 1/4 feet & gates built

6 Constructing Suk Magistrate's and Sub-
dividing jail at Rajahmundry 15850

7 Constructing Suk Magistrate's Catechery
at Pottapadu 4330

8 Improvements to the Suk Magistrate's
Catechery at Kottapeta 4040

Total Land & Miscellaneous

659 145 206 0395

Judicial
Police Station Houses & Hospitals

1 Constructing Station House at Vilapilla 2110

2 Do Police Station houses at
Vankimandy 1350

654 116 1248 37 Completed

849 1510 498 27 Do

1504 114 1746 62

Court houses

1 Improvements to the District Magistrate's
Court House at Arcanada 540

482 10 Completed

Stones being dressed for
flooring - Latrines Nos 1 & 2
built up to pavement level.
Pyatoched. Poles fixed &
Couples put on.

Wall - Built up to 17
yards in height

1892 87 Walls built up to full
height. Good work is
being put up. The apertures
room has only the built
1834 17 Walls raised up to the proposed
height - Good work is being
done in the shop.

524 113 Proposed Compound wall
nearly completed. 10 bents
laid iron barbed with teak
wood frames & weather boards
have been purchased.
Progress delayed for want
of materials.

2. Improvements to the District Commissioner's
Court house at Annapur.

3. Adding verandah round the District Commissioner's
Court house at Rajahmundry.

ails
1. Constructing gut and ail at Rajahmundry
Sakalails
Sakal Judicial.

Ecclesiastical
1. Enclosing the burial ground at Jagannatha
puram
2. Apparatus for lighting the Church
at Beanauda.

General
1. Improvements to the District Engineer's Office
at Dowlaiswaram
2. Constructing a telegraph office and
out house at Beanauda

3. Alterations & additions to the existing
Post Office at Beanauda

4. Constructing S.P. office at Rajah
mundry

5. Erecting shed for a District Engineer's
Office at Pottapadu

2120 153 94 1048 137 2596 Cft Brick in chunam
and 74 C. qrs Brick in mud
have been completed. Additional
rooms built up to roof and
ready for fit. Good furniture
and roof in progress as lamp
in all half built
not commenced.

1660 " 130 10
635 102 1179 77

353 263 1470 511 " "
1470 511 "
3610 115 2925 139

840 " 537 14 nearly completed
220 220 Completed
757 14

200 " 180 25 Completed

20450 6044 84 3228 1010 Telegraph verandah arches completed
office - masonry ready for
verandahs roof
Kilobent masonry completed
foundations

2500 " 2115 47 Completed
7900 4593 35 2597 84 All complete with
the exception of well.

130 57 124 Completed

6 - Travelling road in the company of Superintendent Engineer's office

Total General

Militia
etc

Total Building

Total Communication

Total Irrigation

Total from North

Repairs
Irrigation

1. Repairing the Godavari cut

2. Do " " " "

3. Do Head & Intersections of the Godavari cut

4. Irrigation Canals, draining &c

5. Tanks

Communications

Total Irrigation

1. Dredging for a canal

2. Do " "

Total Marine

Total Communications

20 17 123 Completed

1071344 8121102

11,983142 3210828

251.1410 1671124

1639345824773371

17917028296852121

16400 16376141 " Completed

15000 1153121 1229541 Do

6530 " 6530 Do

121671711 11087385

2017446167777

15967667 17647841

4420 154414 14967126 Completed. Bar being dredged outside the groynes.

5000 " 154414 14967126

154414 14967126

1544 144967126

Buildings
Civil Administration

Revenue
 Land and Miscellaneous
 Total Revenue

1526 12 10 22 14 67
 1526 12 10 22 14 67

Ecclesiastical
Churches

- 1 Repairing Church at Raja-humud
 - 2 Removing the ropes from, of the Punks in the Raja-humud Church and replacing them with iron rods
- Total Churches:

1031 1092 41 " Completed

32 32 54 Do
 1092 41 32 54

- Burial grounds
- 1 Repairing Cemetery at Samkalta
 - 2 Putting Christian burial ground at Surasapur into decent order
 - 3 Do Do at Palcale Do
 - 4 Repairs to English burial ground at Elmore

200 180 126 " Completed
 30 29 106 Do
 270 162 131 Do
 360 210 3 In progress

Total burial grounds

180 126 402 7 10

Total Ecclesiastical

1273 7 43 14 132

Judicial
Court Houses

745 104 6 12

fail
Spilling money to Hospital & Apothecaries

Total Judicial

General

- 1 Repairing & Lt Range office at Lashburn
- 2 Do Sups Engineers at Do
- 3 Do at the Work Shop
- 4 Repairing a building & office at Range
- 5 Do at the Range office at Lashburn
- 6 Repairing sand at the Police Hospital at Ellone
- 7 Municipal taxes on account of Range office at Ellone
- 8 Repairing and whitewashing Divisional Engineers office - G. & S.
- 9 Repairing Lashburn Range office

Military
Sub.

669 11 958 96

198 156 213 19

1611 710 1178 73

55	55 29	Completed
100	100	Do
270	270	Do
127	71 157	Do
90	" 88 112	Do
18	" 11 48	Do
10	" 9 12	
40	" 27 5"	
86	" 82 153	Completed

497 34 223 1

Total billings
Total claim transactions
Total collections
Total repairs
Total new work
Grand Total of new work
& repairs
Tools & plant
Grand Total

491187 405011
152414 4967126
18967667 176478141
166132 6 18549758
17917028 296882121
34830232 48235019
55873
35086162 48235019

Adams District
Collector's Office
Quebec 8th May 1873

W Foster
Sgt Collector

to the Department for 1872-73.

8

33

	Actual	Actual	
Estimated	Expenditure	Expenditure	Remainder on the program
Amount	during	during	of the work
As	1871-72	1872-73	
	Ad	Ad	

1873
 In a letter from the
 Collector Godavery at
 the Secretary to the
 Board of Revenue
 dated 9 January 1873
 Recd
 no 138
 Public Works
 Report for 1872-73
 J. G. M. No 2561/73
 13 July 1873
 17 July 1873
 17 July 1873

No. 1,064.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 20th June 1873.

Read the following letter from W. S. FOSTER, Esq., Acting Collector of the Godavery District, to J. GROSE, Esq., Secretary to the Board of Revenue, dated Cocanada, 8th May 1873, No. 138 :—

I HAVE the honour to report on the Public Works executed in this district during the official year 1872-73, and to forward the usual Statement of expenditure.

2. The following is an abstract of it:—

Items.	Actual expenditure in 1871-72.			Actual expenditure in 1872-73.			Increase.			Decrease.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
<i>New Works.</i>												
Irrigation	1,63,934	5	8	2,47,733	7	1	83,799	1	5	.....	.....	.....
Communications	251	14	10	16,711	2	4	16,459	3	6	.....	.....	.....
Buildings	14,983	14	2	32,408	2	8	17,424	4	6	.....	.....	.....
Total...	1,79,170	2	8	2,96,852	12	1	1,17,682	9	5	.....	.....	.....
Net...	.....	.....	.....	.....	.....	.....	1,17,682	9	5	.....	.....	.....
<i>Repairs.</i>												
Irrigation	1,59,676	6	7	1,76,478	14	1	16,802	7	6	.....	.....	.....
Communications	1,544	1	4	4,967	12	6	3,423	11	2	.....	.....	.....
Buildings	4,911	8	7	4,050	11	1	.....	.....	.....	860	13	6
Total...	1,66,132	0	6	1,85,497	5	8	20,226	2	8	860	13	6
Net...	.....	.....	.....	.....	.....	.....	19,365	5	2	.....	.....	.....
Total new Works and Repairs.	3,45,302	3	2	4,82,350	1	9	1,37,908	12	1	860	13	6
Tools and Plant	5,559	3	0	.....	.....	.....	.....	.....	.....	5,559	3	0
Total...	3,50,861	6	2	4,82,350	1	9	1,37,908	12	1	6,420	0	6
Net...	.....	.....	.....	.....	.....	.....	1,31,488	11	7	.....	.....	.....

3. The expenditure during the year exceeds the last year's by Rupees 1,31,488-11-7.

4. NEW WORKS—Irrigation.—There is a remarkable increase in the irrigation under New Works, consequent on the extension of the Eastern and Western Delta irrigation. The Tossipudi and Medapad locks, referred to in my last report, and the calingulabs at the places have been completed with one or two exceptions, the Cocanada canal has been much improved, and the side channels at Tossipudi have been completed, all in connection with the Eastern Delta. In the Western Delta, the locks at Peravalli and Itemputi, the weirs at these places and at Godicherla,

and the Neggipudi and Konteir channels have been finished, as also some other sluices and tunnels. Several works are in progress in connection with the different canals in the delta, and the progress of each work will be found stated in the column of remarks in the accompanying Statement. The Cocanada canal was closed throughout the year for navigation, and boats could only go by the Samulcottah canal as before. The expenditure on the Eastern Delta works in the year under report is Rupees 1,18,853-1-1, against Rupees 95-233-1-0 in the preceding year, and that in the Western Delta is Rupees 1,19,814-11-6 in the year, against Rupees 63,995-4-10 in the last.

5. **NEW WORKS—Communications.**—The only roads constructed during the year from the Imperial funds are those from Rajahmundry to Rahitapore and from Vizheswaram to Polaveram. These works were estimated at 46 and 80,000 Rupees, respectively, in round numbers, and had to be executed from the Local Funds; but as both the roads are also the embankments of the river on the right and left sides of it, and as they were intended both as works of communication to a part of the district wholly destitute of such accommodation at present, and as a protection from inundation by the Godavery of an extensive tract of Government and Zemindary land, Rupees 23,150 and 50,000 have been contributed by Government from the Imperial Funds, as sanctioned in their orders of the 14th May 1872, Nos. 1,251 and 1,286, Public Works Department. All the other roads in the district are local, and were so last year, in consequence of which there was no expenditure in the latter year. The amount spent this year under this head is Rupees 16,611-11-3.

6. **NEW WORKS—Buildings.**—The Taluq Cutcheries at Peddupur, Rajahmundry, and Prattipad are being proceeded with. Hence the increase in the sum expended.

7. **REPAIRS.**—There is an increase of Rupees 16,802-7-6 in irrigation under this head, owing to the necessity of repairing several irrigation works injured by heavy rains and unusual floods in parts of the district. The increase in the Communications is consequent on the dredging the Cocanada Harbour. The decrease in Buildings is too small to call for any remark.

8. The number of Irrigation and other works repaired during the year under report is as follows:—

	No.
Irrigation canals, etc.	376
Tanks	35 besides
several minor ones in the Ellore taluq.	
Drainage channels... ..	29
Buildings	39
Total...	479

9. **STATE OF THE WORKS.**—All the new works on the Cocanada canal are nearly finished. Considerable progress has been made in excavating the Talligabhaga drain, which is calculated to confer a great benefit on a considerable part of the Eastern Delta.

10. From what I have seen of the district, I think that the works are executed satisfactorily. Mr. Stuart, the Sub-Collector, is of the same opinion so far as his jurisdiction is concerned.

ENCLOSURE No. 1.—Return of Public Works executed by the Public Works Department for 1872-73.

SUBMITTED for the information of Government.

2. There was a large increase in the expenditure on Public Works in the year 1872-73, as compared with 1871-72. Great progress was made in the improvements to the works of Irrigation in the Eastern and Western Deltas by the completion of several locks and weirs.

3. The sum charged to Communications is due to a grant having been made from the Imperial allotment towards the construction of roads on the embankments on either bank of the river Godavery. Three Taluq Cutcheries being under construction, has caused an increase under the head of Buildings, and the amount expended on Agricultural Repairs was increased by the injury done to tanks by the unusually heavy rains of the year.

4. The Collector and Sub-Collector offer no remarks on these works.

5. The Board observe that the Cocanada Canal was closed throughout the year.

(A true Copy and Extract.)

J. Grose
Secretary.

To the Secretary to Government, Public Works Department,
with one original Return.

Copy to the Acting Secretary to Government, Revenue Department.
to the Acting Collector of the Godavery District.

Exd. T. O'Connor.

1873. 10/25/47
Board of Revenue,
MADRAS.

PROCEEDINGS, 50TH JUNE 1873, No. 1, 064.

Sept-19 July 173.
Encl.

Received 2nd July 1935.

JUNE.
No. 1,064.

Public Works—executed in Godavery District during 1872-73.—Report of Collector on —, submitted to Government, with remarks.

468134

Communicate to the District Engineer

University

2/2/2020

Friday

Wm. Lloyd Garrison
St. Louis, Mo.

25/7/72

h: 3/2. 13.

[illegible]

Op. 3747
Govt. of 1873 Madras.
PUBLIC WORKS.

To The District Cms
Godavery

Dated

Recd.

Encl 1

G. O. 17th July 1873, 1834.

Nos. 3124313

Public Works in the

Godavery St. Pro. of

Godavery. an (Methair)

Report on Public Works

in 1877/3, Com^d to the

St. Secy, Godavery.