

(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.	935	Press
B.P. No.		Mis.
603 6 613		
Dated	26-3-	1873.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
26th March 1873.

Read the following papers —

- No. 603. From the Officiating District Engineer, Ganjam.
(Here enter No. —, dated 4th February 1873.)
- No. 604. From the District Engineer, Godavery.
(Here enter No. —, dated 4th February 1873.)
- No. 605. From do. do. Kistna.
(Here enter No. —, dated 27th January 1873.)
- No. 606. From do. do. Nellore.
(Here enter No. —, dated 18th January 1873.)
- No. 607. From do. do. North Arcot.
(Here enter No. 351, dated 22nd January 1873.)
- No. 608. From do. do. South Arcot.
(Here enter No. 32, dated 1st February 1873.)
- No. 609. From do. do. Chingleput.
(Here enter No. 360, dated 21st January 1873.)
- No. 610. From do. do. Tanjore.
(Here enter No. —, dated 8th March 1873.)
- No. 611. From do. do. Tinnevely.
(Here enter No. —, dated 16th January 1873.)
- No. 612. From do. do. Trichinopoly.
(Here enter No. —, dated 8th January 1873.)

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st December 1872.

*Proceedings of the Madras Government, Public Works Department,
26th March 1873.*

Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure to Date.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
<i>Godavery.</i> Extension of Irrigation from Eastern Delta.	RS. 10,80,800	RS. 1,00,000	RS. 6,627	RS. 86,742	RS. 3,39,271	<i>Lock at Thosspooddy</i>—Completed except bridge. <i>Calingulah at Thosspooddy</i>—Completed except bridge. <i>Lock at Chintapilly</i>—Completed except bridge. <i>Calingulah at Chintapilly</i>—Completed except bridge. <i>Lock at Cooor</i>—Walls raised, ready for coping. <i>Lock at Madapad</i>—Walls raised, ready for coping. <i>Calingulah at Madapad</i>—Walls raised, ready for arches. <i>Calingulah at Thooliabaga</i>—Raised to blocking course level. <i>Drain at Thooliabaga</i>—Cut out from 25 to 42 feet bottom width. <i>Calingulah at Ventur</i>—Completed. <i>Aqueduct at Bhemarum</i>—Completed. <i>Sluice at Bhemarum</i>—Nearly completed. <i>Drops at Biccavole</i>—Masonry already completed. <i>Lock at Thapaswarum</i>—Materials nearly all collected. <i>Rest-house at Chintapilly</i>—Ready for tiling.
Extension of Irrigation from Western Delta.	13,04,640	2,00,000	12,367	62,213	2,87,842	<i>Nursapur Canal.</i> Earthwork 0.60 Masonry works 0.33 Minor channels and masonry 0.23 <i>Bank Canal</i>—Masonry works above drains 0.44 <i>Venkia and Weyaru</i>—Masonry works 0.20 <i>Restoring navigation with Weyaru.</i> Earthwork 0.83 Masonry works 0.62 <i>Attilli Canal.</i> Earth-work 0.02 Masonry works 0.15 Minor channels and masonry works (expenditure) 0.09 <i>Yanamaduru Drain</i>—Earthwork 0.16

*Proceedings of the Madras Government, Public Works Department,
26th March 1873.*

Kistna.	Enlargement, extension, and improvement of the channels in the Masulipatam Section of the Kistna Delta.	1,83,100	10,000	8	4,922	1,50,404	Bondada and Rudragacodu Drain—Earthwork	0.14
							0.19	
							Chenai Drain—Earthwork	0.47
							0.07	
							Buggesacuram Drain—Earthwork	0.81
							0.25	
							Minor Drainages, earthwork	0.93
							0.76	
							Drain west of Nursapur Canal, earthwork	0.90
							0.69	
							do. Masonry works, almost finished.	0.85
							0.14	
							Ellore Canal, masonry works (expenditure)	0.41
							0.70	
							Mid-level Channel.	0.20
							0.10	
							Earthwork	0.66
							0.67	
							Masonry works (expenditure)	0.96
							1.00	
							Low-level Channel.	0.43
							0.32	
							Earthwork	0.90
							0.69	
							Masonry works	0.85
							0.14	
							Pundicoodu Drain.	0.41
							0.70	
							Earthwork	0.20
							0.10	
							Masonry works, finished.	0.66
							0.67	
							Drain from 9½ Mile—Earthwork	0.96
							1.00	
							Mid-level Channel—Masonries	0.43
							0.32	
							Drainage Diversion.	0.90
							0.69	
							Earthwork	0.85
							0.14	
							Masonry works—Materials partly collected.	0.41
							0.70	
							Additional surplus weir near head of Ellore Canal	0.20
							0.10	
							Rest-houses	0.66
							0.67	
							Masulipatam Canal.	0.96
							1.00	
							From 1st to 4th mile	0.43
							0.32	
							From 4th to 12½ "	0.90
							0.66	
							Pulliru.	0.67
							0.96	
							From Kankipad to head of Polrazucodu	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66
							0.67	
							Earthwork	0.96
							1.00	
							Masonry works	0.43
							0.32	
							Earthwork	0.90
							0.66	
							Masonry works	0.67
							0.96	
							Earthwork	1.00
							0.43	
							Masonry works	0.32
							0.90	
							Earthwork	0.66
							0.67	
							Masonry works	0.96
							1.00	
							Earthwork	0.43
							0.32	
							Masonry works	0.90
							0.66	
							Earthwork	0.67
							0.96	
							Masonry works	1.00
							0.43	
							Earthwork	0.32
							0.90	
							Masonry works	0.66

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter, etc.—(Continued.)

Proceedings of the Madras Government, Public Works Department,
26th March 1873.

Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
	RS.	RS.	RS.	RS.	RS.	
<i>Kistna.</i> —(Concl'd.) Sloping down the bank of the Main Canal from the southern flank of the anicut and enlarging the head of the Main Canal from Seetanagram to Doogerralla.	2,76,400	25,000	12	4,318	3,23,687	Masulipatam Canal.—(Continued.) Earthwork 0.95 Masonry works 1.00
Enlargement and improvement of Ryves' Channel and its branches and construction of the masonry works.	4,14,193	50,000	4,594	29,455	1,93,017	Head-sluiice and bridge 0.92 Head of channel 0.65 Enlarging and improving Ryves' Channel do. 0.88 do. 0.59 Masonry works 0.66 Three accommodation bridges—Materials collected. Earthwork 0.94 Masonry work 0.80
Extension of Commamore Channel and construction of the necessary masonry works.	1,95,770	20,000	...	176	1,75,908	Rapid at Doogerralla. Earthwork 0.94 Revetment 0.84 Masonry works 0.74
<i>Nellore.</i> Improvements to the Survapully Channel.	4,20,060	65,000	1,856	24,387	3,53,069	Main Reservoir. Earth-work 0.95 Revetment 0.71 Turfing 0.92 Masonry work 1.13
						Channel South of Pennair. Earthwork 0.86 Rubble-pitching 0.56 Masonry works 0.99

Proceedings of the Madras Government, Public Works Department,
26th March 1873.

	1,93,235	60,000	11,665	23,669	94,858	<i>Anicut.</i> Brick-work-in-chunam 0.46 Concrete work 0.43 Cut-stone do. 0.13
<i>South Arcot.</i> Anicut across the Vellaur River at Pelandorai.						Head-sluiice. Brick-work in chunam 0.70 Cut-stone work 1.00 Main Channel—Earthwork 0.49 Masonry works, materials are being prepared—One bridge on the 9th mile completed with the exception of plastering. The bridge on the 12th mile is in progress.
<i>Tanjore.</i> Regulators for the principal branches of the Vennaur.	1,97,240	56,000	4,549	32,723	1,62,663	Dam across the Vennaur at the Vettaur Head. Vennaur Sluices. Excavating foundation 1.00 Baling 1.00 Centring 0.10 Brick-in-chunam 0.89 Plastering 0.44 Pointing 0.00 Cut-stone 0.82 Shutters 1.00 Sundries 0.62
						Vettaur Sluices. Excavating foundation 1.00 Baling 1.00 Centring 0.00 Brick-in-chunam 0.87 Plastering 0.52 Pointing 0.19 Cut-stone 0.58 Shutters 0.75 Sundries 0.41
						Dam across the Panamanur and Coryour Heads. Brick-in-chunam 0.78 Baling 1.00 Cut-stone 0.70 Shutters 0.52 Earthwork 0.90

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter, etc.—(Concluded.)

Proceedings of the Madras Government, Public Works Department,
26th March 1873.

Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
	RS.	RS.	RS.	RS.	RS.	
						<i>Dam across the Pananiur and Coryaur Heads.—(Concl.)</i>
						Excavating foundation ... 1-00
						Durbah rollers, pegs, and Durbah facing ... 0 80
						Compensation ... 1-00
						<i>Dam across the Pandaviar Head.</i>
						Brick-in-chunam ... 0-78
						Excavation ... 1-00
						Baling ... 1-00
						Cut-stone ... 1-00
						Store-shed ... 1-00
						<i>Dam across the Vellyaur Head.</i>
						Brick-in-chunam ... 0-65
						Excavation ... 1-00
						Baling ... 1-00
						Cut-stone ... 0-63
						Store-shed ... 1-00
						Ancient ... 0-92
						Head-sluiques ... 0-78
						Masonry works, north side ... 0-78
						Do., south side... ... 0-95
						North tanks, completed. ... 0-95
						Do. channels ... 0-95
						Do. channels ... 0-95
						(1) Syphon sluice at Yeral built up to floor level only.
						(2) Opar Olay dam, body not built.
						(3) Do. embankment, seven-eighths completed.
						(4) About two-thirds of the number of small sluices required on the north side, not built.
						(5) The field channels on the north side and a few miles on the south side, not yet cut.
Tinnevely.	8,31,600	1,51,000	35,129	1,14,710	772,332	
Streevignuntum Ancient ...						

Proceedings of the Madras Government, Public Works Department,
26th March 1873.

Statement showing the Nature and Progress of all Preliminary Surveys and inquiries under prosecution in connection with new Irrigation Projects intended to be carried out from Loan Funds for Quarter ended 31st December 1872.

District.	Name of Project.	Particulars of Progress of investigation.
Ganjam	Rooshkoolia Project	Papers with Chief Engineer for Irrigation. Revenue details under consideration of Revenue Board.
Do.	Vamsadara river or Chicacole Project.	Papers with Chief Engineer for Irrigation.
Godavery	Central Delta Project	} Under active preparation; nearly completed.
Do.	Unnamalunka do.	
Kistna	Eastern Delta	Plans and estimates for irrigation and drainage of the Kykalur section, completed. The field-work for the other section is in progress, and will be completed shortly.
Do.	Western Delta	Plans and estimates with Chief Engineer for Irrigation.
Nellore	Survey operations in connection with Survapully Project.	Not necessary.
Tinnevely	Numbiar River Irrigation	Surveys and levels completed, but work not yet plotted.
Do.	The improvement and extension of irrigation under the Tambrapoorny and its tributaries.	Levels and sections of the Tambrapoorny channels, except Nuthooney channel, completed and plotted.
Madura	Perryaur Project	Has been submitted to Government.

NOTE.—The Mullada Tumpara Project entered in the last statement is omitted in this return as it is not intended to be carried out from Loan Funds.

No. 613.

ORDER THEREON, 26th March 1873, No. 935.

IRRIGATION, No. 28.

ORDERED that the above Statements be tabulated and forwarded to the Government of India.

(True Extract.)

(Signed) J. MULLINS, Lieut.-Colonel, R.E.,

Joint Secretary to Government.

To the Chief Engineer for Irrigation.

Exd. E. C. Shunker.

Statement shewing the Progress of Agricultural Works under Execution from the Ist ordinary Grant for the quarter ending 31st December 1872

Name of Work.

Amount of Grant	Expenditure During the quarter	Total Expenditure the current year	Successive accounts shewing the state to which the works have been advanced up to date.

File

21

District Engineer's Office
Chatterpore 8th February
1873

H. Sewall } Captain R.B.
Officer in trust Engineer }
Guwahati

Statement showing the
Progress of Agricultural
works under Discretion
from the District-ordinary
Grant for the quarter
ending 31st Decr 1872

500 } 8th February 1873
Recd 17th "

To the Chief Engineer
for Irrigation

The Offr. District Engr
Gangam

St. No. 221

Statement showing the nature and progress of all preliminary surveys and inquiries under
prosecution in connection with the Irrigation Projects intended to be carried out from
Loan Funds for the quarter ending 31st December 1872

District	Name of Project	Particulars of Progress of Investigation
Gangam	Korakodia Project	Papers with Chief Engineer for Irrigation, Revenue Details under Consideration of Revenue Board
Gangam	Vemshadara River or Pheacade Project	Papers with Chief Engineer for Irrigation

Note - The Mullada Zamana Project entered in last return has been completed and
submitted to the Collector for Revenue information, but this is not intended to be carried out
of Loan Funds.

District Engineer's Office
Chatterpore 8th February 1873

H. Muller Captain R.E.
Offr. District Engr. Gangam

Godavery District

13
Statement showing the nature and progress of all preliminary Surveys and Enquiries, which are under prosecution in connection with new Irrigation Projects intended to be carried out from Loan Funds for the quarter ended 31st December 1872. —————

Central Delta Project
Anomullanka Project

Under active preparation - nearly completed.

District Engineer's Office
4th February 1873

W. T. Tucker Esq. R.E.
District Engineer Godavery District

To
The Chief Engineer
of Irrigation
From
The District Engineer
Godavery
Dated 30th Feb 1873
By
W. T. Tucker

Statement showing the nature and progress of all preliminary surveys and enquiries under prosecution in connection with new Irrigation Projects intended to be carried out from Loan Funds for the quarter ending 31st Dec 1872
W. T. Tucker Esq. R.E.
District Engineer Godavery District

Statement showing the progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st December 1872

Name of Work	Amount of Estimate	Current Grant	Expenses During the Quarter	During the Current Year	Total Expenditure to Date	Success. Account showing the state to which the works have been advanced up to Date.
--------------	--------------------	---------------	-----------------------------	-------------------------	---------------------------	--

Original Works Agricultural

Extension of Irrigation in the Eastern Delta

10,80,800 1,00,000 6627 86,742 339,271

Thosifundy Lock — Completed except bridge —
 — Do — Calingala — Do —
 Chintapally Lock — Do —
 — Do — Calingala — Do —
 Coroor Lock — Walls raised, ready for coping
 Madapand — Do — Do — Do —
 — Do — Calingala — Walls raised, ready for Arches
 Thosliabaga — Do — Raised to blocking low level
 — Do — Drain — bent. ent. from 25 to 42 feet bottom
 Ventur Calingala — Completed —
 Bhemarum Aqueduct — Do —
 — Do — Iluv — Nearly completed —
 Bicavolu Drops — Masonry ready completed —
 Thapawarum Lock — Materials nearly all completed —
 Chintapally Rest. } Ready for tiling
 Boaso }

Extension of Irrigation in the Western Delta

13,04,640 2,00,000 12,367 62,213 2,87,842

Nursapoor Canal — Earth work — 0 — 60
 Masonry Works — 0 — 39
 Minor Channels }
 & Masonries — } 0 — 23
 Bank Canal — Masonries about }
 Drains — } 0 — 44

Statement showing the progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st December 1872

Name of Work	Amount of Estimate	Current Year's Grant	Expenditure		Total Expenditure to Date	Successive Account showing the state to which the works have been advanced up to Date.
			During the Quarter	During the Current Year		
						Midland Channel Earthwork ——— 0. 98
						Masonry works expenditure 0. 76
						Low land Channel Earthwork ——— 0. 90
						Masonry Works ——— 0. 69
						Pindicodu Drain Earthwork ——— 0. 85
						Masonry Works ——— finished
						Drain from 9 1/2 miles Earthwork ——— 0. 14
						Midland Channel Masonries ——— 0. 41
						Drainage division Earthwork ——— 0. 7
						Masonry works ——— Materials partly collected
						Additional surplus
						Weir near head of ——— 0. 2
						Ellore Canal
						Rest. Houses ——— 0. 1

District Engineer's Office
Dowlasmarum
4th February 1873

W. T. Tucker Limited
District Engineer Godanang Diok

23

To the B. & O. Railway
J. W. Lee - 14 West 73.

From
 J. H. B. 1874
 J. H. B. 1874
 J. H. B. 1874

The Chief Engineer
for Construction

Noted by
Revised
Received 10-2-73

Statement showing the
Progress of Agricultural
work under extension
from the extraordinary
grant for the quarter
ended 31st December 1919

9:00

Names of books.

Enlargement, Extension & Improvement
of the Channel in the Great Lakes
Section of the Prairie Delta -

Widening the Head of Main-land and
Canal for 1000 yards from the America
to the Elbow of France.

Slipping down the head of the
In and cannot from the counter

Plant of the Infant and undergoing
the heat of growth and expansion of
a Quagga.

Enlargement and improvement to
Ipsos Chamel and its branches
and construction of various works

Ordnance of Commoners Chancel
And Foundation of Masonry with the.

Surgeing Veneering operations
F. Della Ringe

W. Belton Camp.

Director of Engineers Office 119.
Nassau Palace
24 June 1913

Mr. and Mrs. May 1873
Westch. Eng. 1873.

Dec 18th - Du // 100

Names of books.

Enlargement, Extension & Improvement
of the Channel in the Great Lakes
Section of the Prairie Delta -

Widening the Head of Main-land and
Canal for 1000 yards from the America
to the Elbow of France.

Slipping down the head of the
In and cannot from the counter

Plant of the Infant and undergoing
the heat of growth and expansion of
a Quagga.

Enlargement and improvement to
Ipsos Chamel and its branches
and construction of various works

Ordnance of Louisenoire Channel
And Construction of Masonry works.

Surgeing Veneering operations
F. Della Ringe

W. Bellin - Page 2.

Director of Engineers' Office
Washington
24 June 1913

*I am ated Major Wm
District Judge Nathan.*

Dec 18th - Du // 100

Names of books.

Enlargement, Extension & Improvement
of the Channel in the Great Lakes
Section of the Prairie Delta -

Widening the Head of Main-land and
Canal for 1000 yards from the America
to the Elbow of France.

Slipping down the heads of the
In and came from the Conthor

Plant of the Infant and undergoing
the heat of growth and expansion of
a Quagga.

Enlargement and improvement to
Ipsos Chamel and its branches
and construction of various works

Ordnance of Linnamoro Channel
And Foundation of Masonry Works.

Surveying & Leveling operations
F. Sells Range

W. Bellin-Pang

Director of Engineers Office 119.
Nassau Palace
24 June 1913

Mr. and Mrs. Augustus
Westcott Esq. & Mrs.

Recd 18th Dec 1900

Statement showing the progress of agricultural works under execution from the 1st October 1872 -
Grant for the quarter ending 31st December 1872 -

Name of works.	Amount Current	Expended	Total	Success account
21 Enlargement, extension & improvement of the Channel in the Moulshetan section of the Britisha Delta -	10,000	4,922	15,000	From 1872 to 1874 - 0.66 1874 to 1875 - 0.67 From 1875 to 1876 - 0.96 Masonry works 1.0

Widening the head of Moulshetan Canal for 1000 yards from the Amirtha to the Elbow Branch. -

Sloping down the banks of the main canal from the Southern bank of the -

Enlargement and improvement to 1900 Channel and its branches and construction of masonry works

Extension of Lammamoor Channel and construction of masonry works.

Surrounding & levelling operations F. Delta Range

W. Delta Range

Engineer of Engineers of the 19th Moulshetan
24th June 1873

Major W. Moulshetan

12 - 4318 223687

Head sluice & bridge - 0.92
Idea of Channel - 0.65
4594 29455 - 19307
Enlarging and improving
Masonry works - 0.66
3 accommodation bridge - 0.66
176 15908
Earth work - 0.94
Masonry work - 0.80
Enlarging & levelling operations - 0.94
F. Delta Range - 0.94
W. Delta Range - 0.94

Physics & Estimation for the purpose of irrigation & for the improvement of the drainage forward to the Chief Engineer

the progress of the
work is so under
execution from the
extraordinary grants
for the quarter ending
31st December 1872.

Statement shewing

Dated 18th Decr

Dated 15th Feb 1873

To the Chief Engineer

of Bellary

From The Dist. Engineer
No 247

Statement shewing the progress of Agricultural works under execution from the
Extraordinary Grants for the quarter ending 31st December 1872.

Amount Current Expenditure
Estimate Grant during the quarter Current year

Improvements to Surugally Channel 420060 65000 185624387 359720

Recovery 6651 Turfing 0.92 Masonry works 1.13

Channel south of Pennar Earthwork 0.86 Rubble pitching 0.56 Masonry works 0.99

The figures shown in the column Succinct Account or regarding the Earthwork & Turfing will differ from the last statement, as a recovery of Rs 6651 was made from these Masonry works during the quarter ended 31st December 1872.

By an oversight in the Range Office 79 was entered in the statement for the quarter ended District Engineer's Office. 30th September 1872, instead of 71.

18th January 1873

District Engineer Bellary

N^o. 351

District Engineer's Office
North Great Quind
22^d January 1873

From

The District Engineer
North Great

To The Chief Engineer
for Irrigation

Sir

Adverting to your memo N^o. 182
dated 30th October 1871, I have the honor
to inform you that no extraordinary
works of Irrigation have been executed
in the North Great District during the
Quarter ending 31st December 1872.

I have the honor to be

Sir

Your Most Obedient Servant

Hubert Leake R.E.
For District Engineer N. Great.

To the Dist Engr. North
N^o. 36. 23 January 73

From the Dist Engineer
North Great

To the Chief Engr. for
Irrigation

Dated 18th January 73
Recd 22^d Jan 73

Statement showing the

progress of Agricultural
works under execution for
the extraordinary Grant
for the quarter ending 31st
December 1872.

N^o. 36.

Informo that no
 extraordinary works of
 importance have been
 executed in the North
 Creek District during
 the quarter ending
 31st December 1872.

Comd = Stone

Vol No 351

Date 3rd 22nd January 1873
 Rupee 23rd

The Chief Engineer
 for irrigation
 D. S. George

The District Engineer
 North Creek

Station C. S. N. 114

N. 32

South Creek

Statement showing the Progress of Agricultural Works under execution from the Extraordinary grant for the Quarter ending 31st December 1872.

Name of Work	Amount of Estimate	Current Years Grant	Expenditure		Total expenditure up to date	Success amount showing the state to which the work has been advanced up to date.
			During the quarter	During the current year		
Constructing an Arriant across the Vellur near Melandurai	198235	60000	1445	23668	15846	1470
Arriant = Pick in chumam work — .46 Carte Mark — .43 Stone work — .13 Head thieve — Brick in chumam work — 70 Carte work — 1.00 Main Channel — Carte Work — .49 Materials for masonry works being prepared. One bridge on the 9th mile completed with the exception of plastering The bridge on the 12th mile is in progress.						

District Engineer's Office, South Arcot

Enclosures 1 February 1873

[Signature]

Offg. Dist. Engineer South Arcot

To the Chief Engineer for Irrigation with reference to G.O. No 1620 of 14th July 1872.

No. 360

Chingleput District Eng's Office
Guindy 21st January 1873

From,

Colonel H. J. Molerly R.E.
District Engineer Chingleput

Lieut. Colonel J. Mullins R.E.
Chief Engineer for Irrigation
Fort Saint George

Adverting to your Memo No. 182
dated 30th October 1872 I have the honor
to acknowledge the
extraordinary work
of irrigation now been executed in the
Chingleput District during the quarter
ending 31st December 1872.

I have the honor to be
Sir

Your most obedt. Servt.

H. Molerly R.E.
District Eng. Chingleput

C. E. 15-5
South & North

From
the offy. Dist. Eng.
South & North

To the Chief Engineer
for Irrigation

Dated 1st of
January 1873

No. 32

Statement showing the
progress of agricultural
works from the District
Survey for the quarter
ending 31st December 1872.

I will beg
from the District Engineer
Chapelton.

To the Chief Engineer
for Singapore

dated 21st January 1873
No. 360

I have your letter
re Singapore and have been
pleased to see the results
of the survey for the
ending 31st Decr 1872.

Tanjore District

Statement showing the progress of Agricultural works under execution from the Extraordinary Grant for the Quarter ending 31st December 1872.

27

Name of work	Amount of Estimate	Current year's Grant	Expenditure		Total Expenditure to date	Successive account showing the state to which the works have been advanced up to date	Exact state of progress made up to date on the whole project
			During the Quarter	During the current year			
Regulating works to the principal branches of the Vennar River — 197240		Item No 32 in Budget of 1872-73 Rs 56000	4549	2 4 32722 13 6	16248 3 6	Dam across the Vennar at the Vellur Heads	
						Vennar Sluices	
						Excavating } —	1.00
						Foundation } —	1.00
						Bailing —	.10
						Centring —	.14 .89
						Brick in Churnam —	.44 .44
						Plastering —	" "
						Pointing —	.42 .82
						Cut Stone —	.25 1.00
						Shuttles —	.10 .62
						Sundries —	
						Vellur Sluices	
						Excavating } —	.05 1.00
						Foundation } —	.08 1.00
						Bailing —	" "
						Centring —	.43 .84
						Brick in Churnam —	.52 .52
						Plastering —	

Name of work

Amount
of
estimate

Amount
paid
Grant

Expenditure
During
the
Quarter

During
the
current
year

Total
Expendi-
ture to
date

Succinct account showing the state
to which the work has been advanced
up to date—

Work executed
during the year

Exact state of
progress made
up to date on
the whole project

Pointing —	"	.19
Cut Stone —	.46	.58
Shutters —	.63	.75
Sundries —	.22	.41

Dam across the Pandaugyar
and Corayor Strads

Brick in Chumam	.15	.78
Cut Stone —	.20	.70
Building —	.05	1.00
Shutters —	.02	.52
Bank work —	.15	.90
Excavating } Foundation }	.05	1.00

Decubate rollers peep & chumaks facing —	.30	.80
---	-----	-----

Compensation — 1.00

Dam across the Pandaugyar
Strad

Brick in Chumam	.13	.78
Excavation —	"	1.00
Building —	"	1.00
Cut Stone —	.51	1.00
Store Shed —	"	1.00

Name of work	Amount of Estimate	Current year's Grant	Expenditure			Succinct account showing the state to which the works have been advanced up to date	
			During the quarter	During the current year	Total - time to date	Work executed during the year	Exact state of progress made up to date on the whole project

Dam across the Vellayar Head.

Provisionary	.09	.65
Excavation	"	1.00
Bailing	"	1.00
Cut Stone	.37	.63
Store shed	"	1.00

District Engineer's Office
 Tanjore
 8th March 1873

W. S. P. S.
 Captain R. L.
 Offg Dist. Eng. Tanjore

Paid 8⁴/₇ March 1873
 Recd 10¹⁰/₁₀ 11¹¹/₁₁

Vol 390
 The District Engineer
 To
 The Chief Engineer
 for irrigation &
 Drainage
 Department of Ag.

Trincovelly
District Engineer's Office
Palamcottah
29 March 1873

Mr Russell
 District Engineer
 Trincoelly

Statement shewing the Expenditure
in the Slaveeignumtum Ancient
Project upto December 1872

		Rupia	a	P	R	a	P
1 st Quarter	April 1872	7323	11	2			
	May "	9678	10	9			
	June "	12710	12	11			
					29713	2	10
2 nd Quarter	July "	17513	15	8			
	August "	2225	3	3			
	September	10156	3	4			
					49927	6	3
3 rd Quarter	October "	12065	13	8			
	November	20060	2	7			
	December	2989	3	4			
					35115	3	7
Total Rupees		114755	12	8			

* Including Rs. to be advanced to the Collector on account of compensation of land.

* Recovery of Rs. 14 should have been deducted from the proposed Rs. submitted for the Quarter ending 31 Decr. which is now done.

James W. Dickinson
Lieutenant & being
the Spendiary
of the Officers;
your own American
people & wife
December 1872

[illegible]

[Faint handwritten notes, possibly "The end of the world"]

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf from an old book. The paper has a slightly textured appearance with some minor discoloration and faint, illegible markings, possibly from a stamp or ink bleed-through from the reverse side. A small, dark, rectangular mark is visible near the bottom center of the page. The page is framed by a dark border, suggesting it is part of a bound volume.

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some minor discoloration and faint, illegible markings, possibly from a previous page or a scanning artifact. The left edge of the page shows the binding structure, including what appears to be a vertical strip of material and some stitching or staples. The overall tone is warm and slightly off-white, characteristic of old paper.

Tinnevely District

Statement showing the progress of Agricultural Works the execution from the Extraordinary Grant for the Quarter ending 31st December 1872.

Name of Work.	Amount Estimated	Current Year's Grant	Expenditure		Total expenditure to date	Succinct account showing the state for which the works have been advanced up to date
			During the Quarter	During the current year.		
Shreegundam Ancient Project	8,31,600	1,51,000	35,729 3	114,755 78	77,235 44	Ancient 92 About 250' of the ancient requires to be raised Head sluices 78 high courses of cut stone and about 900' course Masonry works } 78 The coping throughout the whole length is complete. The masonry requires to be finished about 1/2 of the remainder is complete. North side 188 Do South side 192 North Tanks 92 North Channels 84 South Tanks completed. South Channels 95 All the other works are either fully completed or are in working order except: (1) Syphon sluice at Yeral built up to flood level only. (2) Ganga Daydam body not built. (3) Repaired Embankment completed. (4) About 1/2 of the number of small sluices & gates on the North side not built. (5) The field channels on the N. side and a few miles on the South side not yet cut. Levels and sections of the Tamrapoorn channels except. Nuthooney channel completed and plotted.

See Rm 539-27-29
 29th March 73

The improvements and extension of Irrigation under the Tamrapoorn and its tributaries.

Tinnevely Range Office
 Quilley 16 January 73

W. Russell
 District Engineer
 F. L. Shiffard
 Lieut. R.E.
 R. Rang. Tinnevely Range

much showing to
the works have
to date

From the

W. 18. 1. 72

Sincerely
Yours
J. M. H. H. H.

Statement showing
the progress of the
cultural work
under execution for
the year ending
1872.

The District Engineer
 Financially
 The Chief Engineer
 for Irrigation
 Feb 16 1873
 for the quarter ending
 31st December 1872.

The District Engineer
 11th St. N. W. 30' 1872.

h: 611.

Expenditure

Statement showing the Progress of Agricultural work under Execution from the
 Extraordinary Fund for the quarter ending 31st December 1872.

Name of Work	Amount of Estimate	Current	Expenditure		Total	Success account showing the state to which the work have been advanced up to date
			During the quarter	During the current year		
						Balance

Nil

District Engineer's Office
 3rd January 1873

The Chief Engineer for
 Irrigation

P. H. S. on hand
 10th District Engineer
 10th District Engineer

Read the following papers—
 officiating
 from the St Eng's Barracks.
 (Here enter N^o— dated 8 Feb 1873)
 from ——— St ——— Lodhary.
 (Here enter N^o ———)
 from ——— St ——— Kestora.
 (Here enter N^o— 727 January 1873)
 from ——— St ——— Kellars.
 (Here enter N^o— 718 January 1873)
 from ——— St ——— K. Crest.
 (Here enter N^o 351 722 January 1873)
 from ——— St ——— S. Crest.
 (Here enter N^o 32 715 January 1873)
 from ——— St ——— Chingleput.
 (Here enter N^o 360 728 January 1873)
 from ——— St ——— Sango.
 (Here enter N^o— 78 Dec 1872)
 from ——— St ——— Sango.
 (Here enter N^o— 715 January 1873)
 from ——— St ——— Sango.
 (Here enter N^o— 78 January 1873)

Trichinopoly District

1873
 10/27

dated 8th 3 January 1873
 Received

Statement showing the
 progress of my business
 in the district of
 the District of
 in the District of
 11th December 1872

Ventura and Noyan

Masonry works 0.20
Preparing Navigation cut Noyan
Earthwork 0.83
Masonry work 0.62
Attili Canal
Earthwork 0.02
Masonry work (works expenditure) 0.18
Minor Channels & Masonry 0.09
Warina Dams Canal
Earthwork 0.16
Bondada & Peddappa Dam Canal
Earthwork 0.14
Y. Laga Canal
Earthwork 0.19
Buffa Canal
Earthwork 0.47
Minor Drainages Earthwork 0.07
Canal West of Hyderabad Canal Earthwork 0.81
Masonry works almost finished
Ellor Canal - masonry works (Apendix) 0.25

Mid level Channel

Earthwork 0.98
Masonry works 0.76
Mid level Channel
Earthwork 0.90
Masonry work 0.69
Endicoder drain
Earthwork 0.85
Masonry works finished
Canal from 4 1/2 miles - Earthwork 0.14
Mid level Channel Masonry 0.49
Earthwork 0.70
Masonry works - Materials partly collected
Additional masonry near head
of Ellor Canal } - 0.26
Red House 0.10

Enlargement, extension and improvement of the Channel in the Maulepatam section of the Krishna Delta

Widening the head of Maulepatam Canal for 1000 yards from the ancient to the head of Lower branch

Sloping down the bank of the main Canal from the Southern flank of the ancient & enlarging the head of the main Canal from Chetangam to Roganalla

Enlargement & improvement of Nages' Channel and its branches and construction of masonry works

Extension of main channel & construction of the masonry masonry works

Improvements to the Lower fully Channel

Maulepatam Canal

From 1° 6' 4" inch 0.66
From 4° 6' 12 1/2" 0.67

From Chetangam to Head of Chetangam
Masonry works 0.96
Earth work 0.43
Masonry works 0.82

Earth work 0.95
Masonry works 0.80

Head of Chetangam 0.92
Head of Channel 0.65
Enlarging & improving Nages' Channel 0.88
Branch 0.99

Masonry works 0.86
Extension of main channel - masonry works 0.94
Masonry works 0.80

Rapid at Chetangam
Earth work 0.94
Revetment 0.84
Masonry works 0.74

Main Channel
Earth work 0.95
Revetment 0.71
Sinking 0.97
Masonry works 0.13

Channel south of main
Earth work 0.86
Rubble pitching 0.56
Masonry works 0.99

Earth work 0.91
Extending from Chetangam 0.02

Aricut across the Vellam

River at Pelandra - { 198235 6000 11665 23689 94858

Aricut

Brickwork in Chumam

0.46

Concrete work

0.40

Cut stone work

0.13

Bed of River

Brickwork in Chumam

0.70

Cut stone work

0.00

Main Channel

Earth work

0.49

Masonry work. Materials are being put in

One bridge on the 9 mile completed with

the exception of plastering.

The bridge on the 12 mile is in progress.

(Main across the Vellam at the Vellam Head)

(Main across the Vellam at the Vellam Head)

Existing foundation

1.00

Excavating

1.00

Excavating

0.10

Brickwork in Chumam

0.89

Regulation for the principal

branches of the Vellam

197240 56000 4549 32723 162663

Excavating

1.00

Excavating

0.10

Brickwork in Chumam

0.89

Excavating

1.00

Painting

0.00

Cut stone

0.82

Chumam

1.00

Chumam

0.62

Excavating foundation

1.00

Excavating

1.00

Excavating

0.00

Brickwork in Chumam

0.87

Excavating

0.52

Excavating

0.19

Cut stone

0.58

Chumam

0.75

Excavating

0.41

(Main across the Vellam at the Vellam Head)

0.78

Brickwork in Chumam

0.78

Excavating

1.00

0.70

0.52

1.71

1.00

Barbadoes pop & ditch facing	0.80
Compensation	1.00
<u>Penn across the Pandaniam Head.</u>	
Brick in Chumam	0.78
Excavation	1.00
Bailing	1.00
Substance	1.00
Excavated	1.00
<u>Penn across the Vellyam Head</u>	
Brick in Chumam	0.65
Excavation	1.00
Bailing	1.00
Carted stone	0.63
Clare shed	1.00
Amient	0.92
Head sluices	0.78
Masonry work to North side	0.78
do do South side	0.95
North Tanks	Completed
do Channels	0.95
South Tanks	Completed
do Channels	0.95

Thunigpundum Amient, 531600 151000 35129 114710 772332

- (1) 1/2 pph sluice at 4 feet built up to floor level only
- (2) 1/2 pph sluice at 4 feet built up to floor level only
- (3) 1/2 pph sluice at 4 feet built up to floor level only
- (4) About 2/3 of the number of small sluices required on the North side not built
- (5) The field channels on the North side and a few miles on the South side not yet cut.

100

inary
work
mole

Statement shewing the nature & progress of all preliminary surveys & inquiries under prosecution in connection with new irrigation projects intended to be carried out from Loan Funds for quarter ended 31st December 1872.

Distinct Name of Project. Particulars of progress of investigation.

Ganjam Pooahkooka Project. Papers with Chief Engineer for Irrigation. Revenue details under consideration of Revenue Board.

* D^r Varnadara Pillai or Chicasole Project. Papers with Chief Engineer for Irrigation.

Godavary Central Delta Project. Under active preparation. nearly completed.

D^r Umamalintha. Krishna Eastern Delta. Plans & Estimates for Irrigation of the Nyzkalur Section completed. The field work for the other sections is in progress, & will be completed shortly.

D^r Western Delta. Plans & Estimates with Chief Eng^r for Irrigation. Nellore { Survey operations in connection with Survey of Project. } Not necessary.

Immunally Numbhar River. Surveys & levels completed but work not yet finished. D^r The improvement & extension of irrigation under the Sambraopoor & its tributaries. Levels & sections of the Sambraopoor channel, except Natharney channel, completed & plotted.

Madura Perryaur Project. Has been submitted to Government.

* The further Sambraopoor Project is omitted in the last statement as it is not intended to be carried out of Loan Funds.

DWA

735

Order hereon

March 1873 No

Irigation

Ordered that the above statements be tabulated and forwarded to the Government of India.

(True Extract)

Lt Colonel R.R.

Joint Secy to Government

To the Chief Engineer for Irigation

Govt of India

Recd 4/4/73

Desp 4/4/73

Urgent
Please shew it

Belld 1873

h-603-73

7
Govt. of 1873 Madras.
PUBLIC WORKS.

To

Dated

Recd.

Encl.

G. O. 26th Dec 1873 No. 935.

No. 603. 13.

Agricultural Works
Passing orders on State-
ments showing the progress
of works under execution
from the extraordinary
Grant for the year 1873-74
and the
share proper of
works under prosecution
in connection with
the Irrigation Project