

(1) Number of pages _____

(2) Date of repair _____

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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	852	Press
		Mr.
Dated	28	18

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23rd March 1872.*

Read the following papers:—

- | | |
|----------|---|
| No. 532. | From the Superintending Engineer, 1st Division.
(Here enter No. —, dated 18th January 1872.) |
| No. 533. | Do. do. do. 1st do.
(Here enter No. 3,486, dated 12th February 1872.) |
| No. 534. | Do. do. do. 2nd do.
(Here enter No. —, dated 30th January 1872.) |
| No. 535. | Do. do. do. 3rd do.
(Here enter No. —, dated 25th January 1872.) |
| No. 536. | Do. do. do. 4th do.
(Here enter No. 3,979, dated 6th January 1872.) |
| No. 537. | Do. do. do. 5th do.
(Here enter No. 233, dated 27th January 1872.) |
| No. 538. | Do. do. do. 6th do.
(Here enter No. —, dated 1st February 1872.) |
| No. 539. | Do. do. do. 8th do.
(Here enter No. —, dated 24th February 1872.) |

Proceedings of the Madras Government, Public Works Department,
23rd March 1872.

Statement showing the progress of Agricultural Works under execution from the Extraordinary Grant for the quarter ended 31st December 1871.

Item of Budget.	District.	Name of Work.	Amount of Estimate.	Number and date of Sanction.	Expenditure up to end of preceding official year.	Current year's Grant.	EXPENDITURE CURRENT YEAR.		Total Expenditure.	Sketches account showing the state to which the works have been advanced up to date.
							In the quarter.	Up to the end of present quarter.		
56	Gedarey.	Extension of irrigation from Western Delta.	Rs. 13,04,940	Government of India's No. 367-L, dated 2nd August 1871; G. O. No. 2,925, dated 16th November 1871.	Rs. 1,01,603	Rs. 2,96,844 G. O. No. 2,136, dated 23rd August 1871.	Rs. 6,010	Rs. 35,674	Rs. 1,08,307	Narasayam Canal. Perambly Lock—well finished, and opened for traffic. Do.—Weir finished, Nourish channel improvement—nearly finished. Beet Canal. Deyr under tunnel—finished. Porticut and Nigra. Chikampudu escape—finished. Rising Navigation on the Purna. Mash—work—about 3/4ths finished, repairs done—construction being done. Mid level channel head sluice—finished except raising of rear wings. Aitly Canal. Madanapharam under tunnel—finished except little coping. Rayachuduru channel—finished. Other Deyras. Channel below Narasayam—tidal sluice taken out. Old Rayachuduru channel—1/2th finished. Drain West of Narasayam Canal. Barth work—about 1/2th done. Bridge at 3 miles—finished. Do. at 4 1/2 miles—materials nearly all collected. Ten sluices built and part of channels for them excavated. Ellors Canal. Mid level channel—earth-work finished to Kaspary tank.

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23rd March 1872.

26	Do. ...	Extension of irrigation from Eastern Delta.	10,80,800	Government of India's No. 181-L, dated 20th May 1871; G. O. No. 4,523, dated 6th June 1871; G. O. No. 2,196, dated 28th August 1871.	1,00,975	2,00,000	21,177	40,233	2,01,209	Do.—Masonry works about 1/2th done. Low-level channel—earth-work 1/2th done. Do.—Masonry works all finished except 6 village sluices. Pandiocodu Drain—earth-work 1/2th done. Do.—Masonry works finished. Drain for 7 1/2 miles Mid level channel escape—finished. “Drainage diversion”—commenced. Thosipedy Lock. Excavating foundations and filling in ... 1-00 Concrete ... 1-00 Rough stone-in-chumam ... 0-97 Cut-stone coping and flooring ... 0-85 Bricks-in-chumam ... 1-00 Cut-stone quoins ... 1-00 Rough stone apron ... 0-56 Chintipilly Lock. Excavating foundations and filling in ... 1-00 Concrete ... 1-00 Rough stone-in-chumam ... 0-99 Cut-stone quoins ... 0-85 Do. coping and flooring ... 0-75 Rough stone apron ... 0-72 Bricks-in-chumam ... 0-85 Ceyron. Excavating foundations and filling in ... 1-00 Concrete ... 0-98 Rough stone-in-chumam ... 0-25 Cut-stone coping and flooring ... 0-20 Raising Banks on Cocanada Canal. Earth-work ... 0-43 Masulipatan canal from 1st to 4th mile ... 0-55 Do. from 4th to 12th miles ... 0-65 Pullair from Kankipad to the head of Pothazukodu ... 0-86 Masonry works ... 1-0 Earth-work ... 0-8 Head sluice ... 0-55
27	Kiama ...	Enlargement, extension, and improvement of the channels in the Masulipatan section of the Kistna Delta.	1,80,100	G. O. No. 80, dated 7th Jan. 1870; Govt. of India's Register No. 7-A.L. of 1863-69.	1,24,325	40,000	484	10,888	1,41,213	
...	Do. ...	Irrigation channel on the west side of Masulipatan canal from 16th mile to Aukunuru.	49,560	G. O. No. 2,942, dated 10th Oct. 1866; Govt. of India's letter No. 132-A-1, dated 1st Sept. 1868.	45,799	4,053 G. O. No. 1,884, 10th May 1871.	602	1,594	47,393	

Proceedings of the Madras Government, Public Works Department,
23rd March 1872.

Statement showing the progress of Agricultural Works under execution from the Extraordinary Grant, &c. — (Continued.)

Form of Engraving.	District.	Name of Work.	Amount of Estimate.	Number and date of Sanction.	Expenditure up to end of re- specting financial year.	Current year's Grant.	EXPENDITURE IN CURRENT YEAR.		Statement amount showing the state to which the works have been advanced up to date.
							In the quarter.	Up to the end of present quarter.	
28	Kistna	Within the head of Mudichan canal for 1,000 yards from the union to the head of Eluru branch.	1,10,000	G. O. No. 1,350 dated 15th May 1871; Govt. of India's No. 1594, 24th April 1871.	21,021	25,000	RS. 1,539	RS. 25,977	Earth-work 64 Head sluice 0-5
29	Do.	Shifting down the banks of the main canal from the suction line of the aunt, and enlarging the head of main canal from Sungam to 600 yds. more.	2,70,000	G. O. No. 2,275, dated 15th Dec. 1869; G. O. No. 2,282, dated 24th Dec. 1869; G. O. No. 1,576, dated 10th Feb. 1869; Govt. of India's Regis- ter No. 7-A-1, of 1869-70.	2,12,949	25,000	37	1,501	Earth-work 1-08
30	Do.	Restoration and im- provement of Kistna canal in the branches and construction of the main canal.	5,14,000	G. O. No. 89, dated 20th Jan. 1870; G. O. No. 1,708, dated 1st Feb. 1870; G. O. No. 1,708, dated 1st Feb. 1870.	1,81,846	50,000	15,700	19,487	Head sluice and bridge ... 0-00 Head of channel 0-49 Bridges and 0-49 Do. do. branch channel ... 0-00 Masonry 9-4 Trenches and 0-26 at branch channels 0-50 Masonry works 0-01 Earth-work 0-01
31	Do.	Extension of Communi- cation and economic canal of the main canal.	1,05,770	G. O. No. 2,609, dated 15th Dec. 1869; G. O. No. 1,510, dated 1st May 1870; Govt. of India's No. 1594, 24th April 1871.	1,75,737	45,000		1,75,737	Earth-work 0-74 Pavement 0-66 Masonry 0-74 Main Reservoir 0-07 Earth-work 0-54 Pavement 0-58 Masonry works 1-13 Channel Sluice of Pannar ... 0-74 Cutting laterite and gravel ... 0-50 Masonry works 0-37
32	Nelore	Improvements to the Surampally channel.	4,20,000	G. O. No. 1,944, dated 20th June 1867; Govt. of India's Register No. 7-A-1, of 1868-69.	2,55,592	1,00,000	0,000	67,405	Earth-work 0-07 Pavement 0-54 Masonry works 0-58 Masonry works 1-13 Channel Sluice of Pannar ... 0-74 Cutting laterite and gravel ... 0-50 Masonry works 0-37
33	South Arcot.	Canal across the Vellur river at Velamand.	1,02,235	G. O. No. 691, dated 2nd Mar. 1869; Govt. of India's No. 1594, 24th April 1871.	86,824	60,000	4,200	15,004	Earth-work 0-74 Cutting laterite and gravel ... 0-50 Masonry works 0-37 Head sluice 0-2 Main channel 0-3

The infant and share work have been stopped during the past quarter owing to constant freshes in the river and heavy rain. The channel work has been also at a stand still owing to heavy rain filling the cuttings, and, being the subversion season, the contractors have to be obliged, or the work must be done despatchedly. The branches of Contractor have been running, owing to the profits of the top soil being greater than those of the lower strata; hence the disappearance of Contractor. The non-receipt of instruments, tools and plans has been a cause of delay to this as well as to others.

The expenditure has been chiefly in collection of materials at site. It is to be hoped that the work will now make rapid strides.

ARABETTAH,
27th January 1872.

(Signed) J. M. PARKINSON,

Assistant Engineer, N. & C. Div.

(Signed) J. VERDE, Captain, R. E.,

Acting Superintending Engineer, S. Division.

Tanjore ...	Regulating works for the improvement of the river Cauvery. Discharge amount to be charged to Local Funds; as per G. O. No. 115, dated 15th January 1869.	1,37,700	G. O. No. 775, dated 14th March 1867; G. O. No. 270, dated 24th Jan. 1868; G. O. No. 115, dated 15th Jan. 1869; Govt. of India's Register No. 7-A-1, of 1868-69.	92,933	10,000 Deduct as per G. O. No. 147, 17th Jan. 1872 ... 2,607 7,333			92,933	All works connected with this Pro- ject have been completed with the exception of the minor masonry works, estimated to cost Rs. 9,500, which have not yet been commenced.
Do.	Completing a front and rear retaining wall and apron along the south branch of the Lower Cauvery.	1,03,400 70,000	G. O. No. 2,745, dated 21st Aug. 1869; Govt. of India's Register No. 8-B, of 1869-70.	55,939	G. O. No. 147, 7th Jan. 1872.		148	55,165	Conference of rough stone from Tanjore in progress; all other works completed with the exception of the front retaining wall, which is not to be carried out.
Do.	Regulators for the prin- cipal branches of the Vannar.	1,97,210	G. O. No. 1,744, dated 29th April 1869; G. O. No. 972, dated 29th August 1870; Govt. of India's No. 825-1, dated 8th August 1870.	23,170	2,00,000	11,811	61,466	29,022	Run across the Vannar at the Vellur Head. Foundations for Vannar sluices with wings and abutments almost com- pleted. Foundations excavated for Vannar sluices. Run across the Vannar and Cauvery Head. Foundations of the Vannar and Cau- very sluices raised six feet and plank shed completed. Run across the Pannar Head. Foundations completed; floors put down to half depth. The wings and nose-wall raised 5 feet above floor-level. Stone-shed completed. Run across the Pannar Head. Foundations completed; floors put down to half depth. The wings and nose-wall raised 5 feet above floor level. Stone-shed nearly completed.

Proceedings of the Madras Government, Public Works Department,
23rd March 1872.

Proceedings of the Madras Government, Public Works Department,
23rd March 1872.

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

Item of Budget.	District.	Name of Work.	Amount of Estimate.	Number and date of Sanction.	Expenditure up to end of preceding official year.	Current year's Grant.	Expenditure in current year.	Total Expenditure.	Succinct account showing the state to which the works have been advanced up to date.
45	Tinnevely	Surveyingum anicut ...	Rs. 8,31,000	C. O. No. 3,355, dated 20th Oct. 1868; Govt. of India's No. 53-L, dated 11th Feb. 1869.	Rs. 5,54,898	Rs. 1,75,000	Rs. 24,885	Rs. 59,310	Rs. 5,95,204
					Amount paid to the Cdg. for completion of land ...				Anicut ... Head sluices ... Masonry works, north side ... Do. south side ... North tanks ... Do. channels ... South tanks ... Do. channels ...
									... '67 ... '73 ... '80 ... '83 ... '85 ... '88 ... '89 ... '90 ... '95

Proceedings of the Madras Government, Public Works Department,
23rd March 1872.

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.

District.	Name of Project.	Particulars of progress of investigations.
		<i>Gullery Channel.</i> Surveyed and contoured 8 miles. Survey of Gullery river 1 mile. 5 Cross sections of Gullery river.
		<i>Bavancona Reservoir.</i> Surveyed and contoured 14½ miles. 1 Cross section across valley near sight of dam. 1 Longitudinal line of waste weir channel 4 miles.
Ganjam	Rooshkoolia and Mahanuddy Project.	<i>Kookoolabak River.</i> Levels along the bed of river, 10½ miles. 1 Cross section at Tassingy. Do. do. at Bullisac.
Do.	Vamsadara River or Chicacole Project.	<i>Survey of Hills.</i> Surveyed and levelled around hills, 39½ miles. Plans and estimates of Bavancona reservoir prepared; new set of plans and estimates for Mahanuddy and Rooshkoolia channels and Sooradah reservoir completed.
Godavery	Central Delta Project	Has been received from Captain Beckley, and is now under examination in the Superintending Engineer's Office.
Do.	Unnamalunka do.	With Chief Engineer for Irrigation.
Kistna	Eastern Delta	Will be submitted to Government by Superintending Engineer in a few days.
Do.	Western do.	Plan and estimate of Kykalur Division are nearly ready.
Tinnevely	Numbiar River Irrigation	Surveys and levels are completed. Plans and estimates for completion of irrigation and drainage system are under preparation.
Do.	The improvement and extension of irrigation under the Tambrapoorny and its tributaries.	80 per cent. survey work done. No progress since last report.
Madura	Perryaur Project	A Surveyor is now employed in completing the necessary levels, etc., and the scheme will be submitted shortly. Project has been sent to the Chief Engineer for Irrigation, but the examination of sites lower down the valley is still going on and more favourable sites have been discovered than that originally proposed.

Proceedings of the Madras Government, Public Works Department,
23rd March 1872.

No. 540.

ORDER THEREON, 23rd March 1872, No. 822.

ACCOUNT, No. 48.

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

(True Extract.)

(Signed) R. F. OAKES, Captain, R.E.,
Acting Joint Secretary to Government.

Public Works Dept.

Proceedings of the Madras Government.

Under the following papers.

From the Inspecting Engineer (H.E. - dated 18 Jan'y/72.)
1st G^o (H.E. - dated 19 Feb/72)
2nd G^o (H.E. - dated 30 Jan'y/72)
3rd G^o (H.E. - dated 25 Jan'y/72)
4th G^o (H.E. - dated 6 Jan'y/72)
5th G^o (H.E. - dated 27 Jan'y/72)
6th G^o (H.E. - dated 1st Feb/72)
7th G^o (H.E. - dated 24 Feb/72)

Ordered that the
above statements be ta-
bulated and forwarded
to the Government of
India.

Recd 26/3/72 into office
C. P. S.

GOVT. OF 1872 34415.

PUBLIC WORKS.

To

Date

Recd.

Exd.

23rd Decr 1872

No. 532 @ 540

Africa Annual Works & Forwarding
the tabulated statement
showing the progress of Agri.
- cultural works under ex-
- ecution from the extraordinary
grant for the quarter ended
31st Decr 1872