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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	577-78(2)	Press
B.P. No.		Mis.
Dated	5-3	28/74
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
5th March 1874.*

Read the following papers :—

No. 113.	From the District Engineer, Ganjam, dated 18th January 1874.
No. 114.	From " Godavery, " 20th " "
No. 115.	From " do., " 23rd " "
No. 116.	From " Kistna, " 24th " "
No. 117.	From " do. " 30th " "
No. 118.	From " Nellore, " 24th " "
No. 119.	From " South Arcot, " 29th " "
No. 120.	From " Tanjore, " 23rd " "
No. 121.	From " Tinnevelly, " 9th " "
No. 122.	From " do., " 21st " "

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st December 1873.

Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
Godavery. Extension of irrigation from Eastern Delta.	RS. 10,50,800	RS. 2,00,000	RS. 1,831	RS. 40,226	RS. 4,26,451	1. <i>Head Sluice</i> .—Estimate Rupees 17,800 Postponed.
						2. <i>Main Duct</i> .—Estimate Rupees 28,060 Do. Earthwork commenced in 3rd mile.
						3. <i>Cocanada Canal</i> .—Estimate Rupees 1,86,800. Earthwork 0.73 } Masonry 0.96 } Distribution 0.38 } All the locks completed with the exception of pointing and finishing off. Earthwork to canal completed with the exception of the Madapad and Covoore reaches. Estimate for distribution sluices near Chintapilly submitted to the Chief Engineer for Irrigation.
						4. <i>Mundapetta Canal</i> .—Estimate Rupees 74,100. Earthwork 1.23 } Masonry 0.37 } Distribution 0.30 } Earthwork completed except below Pasalapudy Lock. Thapaswarum lock completed, and gates and gearing ready for fixing; minor distribution projects not yet investigated.
						5. <i>Dank Canal</i> , in <i>abeyance</i> .
						6. <i>Coringa Canal</i> .—Estimate Rupees 74,300 Postponed. Earthwork Will be commenced in next working season.

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Masonry						Postponed.
Distribution						0.1
7. <i>Injaram Canal</i> .—Estimate Rupees 28,050. Earthwork						Postponed.
Masonry ... ..	... ..	0.63	Not yet undertaken; will be commenced in next working season.	... ..	... ..	Postponed.
Distribution ... ..	... ..	... ..	... ..	... ..	... ..	Postponed.
8. <i>Biccavole Drain</i> .—Estimate Rupees 65,000. Earthwork ... ..	... ..	0.47	Partially excavated pending drainage observations during monsoon; masonry work completed, less sundries, etc.	... ..	... ..	Postponed.
Masonry ... ..	... ..	0.74	... ..	... ..	... ..	Postponed.
9. <i>Tooliabaga Drain</i> .—Estimate Rupees 1,38,100. Earthwork ... ..	... ..	0.49	Excavated throughout two-third sections. The four miles at head will be cleared out this working season.	... ..	... ..	Postponed.
Masonry ... ..	... ..	0.90	... ..	... ..	... ..	Postponed.
10. <i>Takee Main Drain</i> .—Estimate Rupees 2,66,300. Earthwork ... ..	... ..	Postponed.	Will be taken in hand this working season; materials under collection for Takee drain calingulah.	... ..	... ..	Postponed.
Masonry ... ..	... ..	Do.	... ..	... ..	... ..	Postponed.
Distribution ... ..	... ..	Do.	... ..	... ..	... ..	Postponed.
11. <i>Rest-houses</i> .—Estimate Rupees 10,000 ... ..	... ..	0.53	One at Chintapilly built; the out-houses to same being plastered, and main buildings white-washed. The basement of Jagannathagery rest-house completed, and doors and windows at site. Materials collected for Kotipilly rest-house, doors and windows ready.	... ..	... ..	Postponed.
12. <i>Compensation for lands</i> .—Estimate Rs. 56,800. Not paid yet.	... ..	... ..	... ..	... ..	... ..	Postponed.
13. <i>Samulcollah Canal</i> .—Estimate Rupees 1,31,200. Earthwork ... ..	... ..	1.16	Adjustments require to be made.	... ..	... ..	Postponed.
Masonry ... ..	... ..	0.85	... ..	... ..	... ..	Postponed.
Distribution ... ..	... ..	... ..	... ..	... ..	... ..	Postponed.

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

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Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
Extension of irrigation from Western Delta.	13,04,640	1,50,000	RS.	RS.	RS.	14. <i>Bemaveram Escape</i> .—Estimate Rupees 4,200. 0·87 Completed, except raising of parapet walls at sides.
					4,30,403	1. <i>Head Sluice, Main Canal</i> .—Estimate Rupees 19,500.
						2. <i>Main Canal</i> .—Estimate Rupees 49,000. Earthwork. A small sum spent on sundries.
						3. <i>Kakaraparu Canal</i> .—Estimate Rupees 33,000. Earthwork. Compensation for land. Not commenced.
						4. <i>Narsapur Canal</i> .—Estimate Rupees 2,09,640. Earthwork ... 1·00 Masonry ... 0·51 Mogulloor lock materials being collected. Distribution ... 0·25 Compensation for land, Rupees 1,213 paid.
						5. <i>Bank Canal</i> .—Estimate Rupees 1,07,000. Masonry above drains 0·41. One under-tunnel finished.
						6. <i>Venkiah and Weyairu</i> .—Estimate Rupees 11,900. Masonry ... 0·2 Nothing now going on.
						7. <i>Undi Canal</i> .—Estimate Rupees 1,10,700. Earthwork ... 0·47 Nearly all earthwork up to 11 miles done. Masonry ... 0·13 Materials being collected for Undi Head lock.
						8. <i>Attily Canal</i> .—Estimate Rupees 86,000.

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Earthwork	0·40	Nearly all works to 11 miles done.
Masonry	0·49	
Distribution	0·18	Gunnampad weir going on; materials being collected for Samampad lock and Irrigation sluices.
9. <i>Gostanuddy and Velpur</i> .—Estimate Rupees 1,41,060. Earthwork ... 0·10 Masonry ... 0·06 Foundation excavation for head lock commenced.		
10. <i>Nakkala Drain</i> .—Estimate Rupees 13,200. Not commenced.		
11. <i>Gostanuddy out-fall and sluice</i> .—Estimate Rupees 94,000. Not commenced.		
12. <i>Yanamadura Drain</i> .—Estimate Rupees 28,800. Earthwork ... 0·39 Strengthening of banks going on.		
13. <i>Other Drainages</i> .—Estimate Rupees 28,200. A.— <i>Bundada and Rudroyacodu</i> . Earthwork ... 0·37 B.— <i>Caza Drain</i> . Earthwork ... 0·38 C.— <i>Buggeswararam Drain</i> . Earthwork ... 0·88 D.— <i>Minor Drainages</i> . Earthwork ... 0·07		
14. <i>Drain West of Nursapur Canal</i> .—Estimate Rupees 18,320. Earthwork ... 0·8 Minor drain cut out to full section; but one or two minor in falls to be cut. Masonry ... Finished.		
15. <i>Ellore Canal</i> .—Estimate Rupees 1,43,700.		

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

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5th March 1874.

Name of Work.	Amount of Estimate.	Current year's Grant.	Expenditure		Total Expenditure.	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.	
13A. Main Canal.—Estimate Rupees 55,000.						
Earthwork...						Sundry expenses.
Masonry ...						Materials being collected for sluice near Pulla.
13B. Mid level channel.—Estimate Rupees 64,180.						
Earthwork...						0 86
Masonry ...						Materials being collected for Irrigation sluice and drop.
13C. Low level channel.—Estimate Rupees 19,290.						
Earthwork...						0 87 Finished.
Masonry ...						Materials being collected for Irrigation sluice.
15D. Pandicodu Drain.—Estimate Rupees 59,530.						
Earthwork...						0 89 Nothing more to be done at present.
Masonry ...						Finished.
15E. Drain from 9½ miles.—Estimate Rupees 24,000.						
Earthwork...						0 65 Finished except some trimming.
Masonry ...						0 66 All done except fixing iron trough to escape and foot bridges to drop.
15F. Drainage Diversion.—Estimate Rupees 21,700.						
Earthwork...						0 78 Work nearly finished.
Masonry ...						0 54 Drop No. 1 and bar finished.
16. Rest-houses.—Estimate Rupees 23,200 ...						0 34
17. Restoring Navigation with Weyairu.—Estimate Rs. 72,500.						
Earthwork...						0 76

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Masonry ...	...	0 90	All done except some trimming up and a portion of coping of Maddapuram lock.
18. Additional Surplus Weir near the head of the Ellore Canal.—Estimate Rupees 14,000.			
Masonry ...	...	...	0 72
Widening Pulleru from Pamarru to Kowtarum Lock.—Estimate Rupees 17,000.			
Earthwork ...	...	...	1 00
Widening Pulleru from Marriadah to Pamarru.—Estimate Rupees 31,250.			
Earthwork ...	...	...	0 99
*Sloping of banks of Masulipatam Canal from 1st to 4th mile. Estimate Rupees 10,100.			
Earthwork ...	...	...	0 82
* Enlarging Masulipatam Canal from 4th to 12½ mile.—Estimate Rupees 65,000.			
Earthwork ...	...	...	0 78
Enlarging Pulleru from Kankipaud Lock to Marriadah.—Estimate Rupees 27,900.			
Earthwork ...	...	...	0 99
Constructing a Regulating Sluice across Pulleru at Pamarru. Estimate Rupees 7,000.			
Masonry ...	...	...	1 00
Reconstructing a Bridge on Junction Canal near Pamarru.—Estimate Rupees 1,350.			
Masonry ...	...	...	1 00
Constructing a Calingulah at Weyairu.—Estimate Rupees 5,600.			
Masonry ...	...	...	1 00

* These two works are delayed by water in the canal.

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

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Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure.	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.	
Widening the head of Masulipatam Canal.	1,13,530	22,635	2,635	6,980	54,922	Constructing Iron Punts.—Estimate Rupees 6,100. Iron 1 00 Minor branches and sluices.—Estimate Rupees 5,000. Masonry 1-00 Earthwork 0-61 Masonry 0-39 Revetment 0-11 Roads 0-67 Earthwork 0-96 Masonry 1-00 Head sluice and bridge.—Estimate Rupees 16,267. Masonry 0-99 Excavating Canal.—Estimate Rupees 2,79,880. Earthwork 0-74 Enlarging and improving Ryves' channel from the 2nd mile to Pullair near Marivadah.—Estimate Rupees 58,180. Earthwork 0-96 Do. Gudewada branch of Ryves' channel.—Estimate Rs. 26,800 Earthwork 0-09 Constructing three accommodation bridges on Ryves' Branch channel.—Estimate Rupees 3,780. Masonry 0-66
Enlarging South Main Canal from Seetanagaram to Duggeralla.	2,76,400	28,921	890	10,126	2,34,352	
Enlargement and improvement of Ryves' Canal and its branches.	4,14,193	30,000	8,435	19,556	2,37,616	

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						Constructing Iron Punts.—Estimate Rupees 6,100. Iron 0-74 Minor branches and sluices.—Estimate Rupees 5,000. Masonry 0-02 Earthwork and masonry 0-94 Earthwork 0-94 Revetment 0-75 Masonry 0-97 Earthwork 0-77 Head Sluice.—Estimate Rupees 18,060 0-72 Regulating sluice at the head of Jaffer Sahib's channel.—Estimate Rupees 4,720. Completed. Deepening Survapully new cut and improving old Ramareddy channel.—Estimate Rupees 95,500. Earthwork 0-90 Masonry 0-94 Rubble pitching 0-66 Gravel backing 0-73 Miscellaneous 1-45 Survapully channel.—Estimate Rupees 1,26,500. Earthwork 0-82 Masonry 0-98 Drainage 0-75 Miscellaneous 2-16
Extending Commamore Channel.	1,95,770	...	...	...	1,76,106	
Constructing a bridge across Commamore channel at Kolakalore.	16,060	I. L. F. 3,205 Deduct recovery...	9	3,877 672 3,205	14,899	
New cut to Commamore channel at Kolakalore bridge.	4,160	I. L. F. 4,160	253	3,212	3,212	
Improvements to the Survapully channel.	4,20,060	50,000	5,201	20,034	3,73,751	

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

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Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
South Arcot. Anicut across the Vellaur river at Pelandorai.	Rs. 2,00,555 Deduct refund ...	Rs. 75,000	Rs.	Rs.	Rs.	Main Reservoir.—Estimate Rupees 1,14,000.
			6,923	37,143	1,67,733	Earthwork 1-02
			552			Laterite revetment 0-80
			6,371			Gravel backing 0-80
						Masonry 1-15 Completed.
						Miscellaneous 0-90
						Idagali channel.—Estimate Rupees 33,440.
						Earthwork 0-90 Nearly completed.
						Masonry 1-19 Completed.
						Miscellaneous 0-13
						Vellaur Branch.—Estimate Rupees 27,840.
						Earthwork 1-19
						Masonry 0-95 Completed.
						Miscellaneous 0-10
						Brick-in-chunam Anicut.
						Concrete 0-81
						Cut-stone 0-85
						Head sluice. Completed with the exception of coping parapet walls and plastering.
						Main channel.
						Earthwork 0-88
						Branch channel, A 0-50
						Do. B Completed.
						Do. C Do. but sloping.
						Do. D Do. do.

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Tanjore. Regulators for the principals branches of the Vennaur river. Amount debitable to Local Funds. Pandavayyar bridge Vellayaur do.	Rs. 1,97,240	Rs. 11,300	Rs. 1,443	Rs. 14,899	Rs. 1,89,632	Do. F Completed.
						Do. G Completed.
						Do. H Completed.
						Do. L Completed.
						Do. M Completed.
						Do. N Completed.
						Improvements to Polimcottah tank. Completed.
						Two culverts of two arches of 12 feet span each in the 9th and 10th miles. Completed.
						Ten minor distribution sluices. Completed.
						Three Irrigation sluices at the head of branch channels F, G, and L, one supplying sluice to the Nadingary tank, and a division sluice in the same nearly finished.
						Supply sluice to Venkaramari tank. Completed except parapet wall and plastering.
						One masonry fall in progress. Materials being prepared.
						Dam across the Vennaur at the Vellaur head.—Estimate Rupees 87,810.
						Vennaur Sluices.
						Brick-in-chunam 0-87
						Stone in do. 0-75
						Shutters 1-00
						Earthwork 1-00
						Miscellaneous 0-88
						Vellaur Sluices.
						Brick-in-chunam 0-88
						Stone in do. 0-94
						Shutters 0-80
						Earthwork 1-00
						Miscellaneous 0-88

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.
5th March 1874.

Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure.	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 Pamanyaur and Corayaur heads.—Estimate Rupees 65,755.</i>
						Earthwork 0 86
						Brick-in-chunam 0 84
						Stone work 1 22
						Shutters 0 45
						Miscellaneous 0 66
						<i>Dam across the Pandaryaur.—Estimate Rupees 57,610. Pandaryaur Dam.</i>
						Brick-in-chunam 0 97
						Cut-stone in do. 1 29
						Shutters 0 50
						Earthwork 1 00
						Miscellaneous... .. 0 83
						<i>Vellayaur Dam.</i>
						Brick-in-chunam 0 77
						Cut-stone in do. 0 77
						Shutters 0 31
						Earthwork 1 00
						Miscellaneous... .. 0 61
						Bench-mark stones 0 59
Fixing bench-mark stones along both banks of Coleroon, and incidental expenses connected with the Agunda-Cauvery and Coleroon survey.	1,000	475	...	66	633	

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	8,31,600	36,062	12,892	36,720	8,32,011	<i>Anicut and Head works.—Estimate Rupees 2,00,600.</i>
Tinnevelly.						Earthwork Completed.
Streeviguntum Anicut ...						Masonry 0 95
						Miscellaneous 0 88
						<i>Channels and works, South side of river.—Estimate Rs. 2,02,265.</i>
						Earthwork Completed.
						Masonry 0 98
						Miscellaneous 0 95
						<i>Channels and works, North side of river.—Estimate Rs. 3,02,357</i>
						Earthwork Completed.
						Masonry 0 99
						Miscellaneous 0 96
						<i>Small channels.—Estimate Rupees 20,000</i>
						Small sluices.— Do. do. 18,600 0 96
						General Sundries.—Do. do. 40,925 0 72
						Compensation.— Do. do. 40,000 0 97
						 0 86

*Proceedings of the Madras Government, Public Works Department,
5th March 1874.*

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 1873.

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	Do. do. do.
	Unnamalunka do.	Ready. Will be submitted to the Chief Engineer for Irrigation shortly.
Kistna	Surveying and levelling operations.	Plans and estimates of irrigation and drainage of Kykalur Section completed.
	Eastern Delta Range	The out-door work of Eastern Delta Project is nearly done. Plans, estimates, etc., are under preparation.
	Western do.	The Western Delta Project is being revised under instructions from Chief Engineer for Irrigation.
Tinnevelly	Numbiar River Irrigation	Completed, the plans too are ready, but the Executive Engineer's report has not yet reached the District Engineer owing to his having other pressing duties.
	Improvement and extension of irrigation under the Tambrapoorney and its tributaries.	Papanasam Reservoir scheme in abeyance till an officer is appointed specially for its survey. Estimates for two head sluices forwarded to Government. No general scheme showing definite results for the Tambrapoorney channels can be submitted. Any considerable extension of irrigation is impracticable, minor improvements of existing works are alone feasible.
Madura	Perryaur Project	Has been submitted to Government.

No.123. ORDER THEREON, 5th March 1874, No. 577.

IRRIGATION, No. 11.
Account.

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

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

No. 124. (DOCKET No. 578, dated 5th March 1874.)
Copy of the above forwarded to the Government of India.
(True Extract.)

Colonel, R.E.,
Secretary to Government.

Exd. E. C. Shunker.
Spare Copies

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Order 577

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

Dt Engr. General
for the
Controller of the
Despatch 8-10/3/74

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578

Copy of the
above forwarded
to the Govt of India

Recd with ¹⁰/₁₀ S. C. P.
10/3/74.

Govt. of (1874) Madras.

PUBLIC WORKS.

1. District Engineer and
to the Secretary to the
Govt of India

Dated

Recd.

Encl.

G. O. 5th March, No. 5778.

No. 113-@1930/1924

Forwarding Statement
showing the progress of
Agricultural Works from
Extraordinary funds &
of the investigations made
with new Irrig. Projects
for the D^y ended 31
Decr/73

Statement showing the
Progress of Agricultural
Works from Extraordinary
Funds & of the investigations
made with new Irrigations
Projects to be carried out
from Loan funds for the
D^y ended 31st Decr/73
ordered to be forwarded
to the G.O. of India