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MADRAS RECORD OFFICE

Government of Madras

DEPARTMENT

G.O. No. 2721-22 Press
B.P. No. Mis.
98 to 118

Dated 7 · 11 · 1873. 195—.

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Read the following papers :—

No. 98.	From the District Engineer,	Ganjam,	dated	16th	July	1873,	No.		
No. 99.	From	do.	do.	Vizagapatam,	,,	25th	,,	,,	,,
No. 100.	From	do.	do.	Godavery,	,,	29th	,,	,,	,,
No. 101.	From	do.	do.	Kistna,	,,	30th	,,	,,	,,
No. 102.	From	do.	do.	Nellore,	,,	26th	,,	,,	,,
No. 103.	From	do.	do.	Bellary,	,,	26th	,,	,,	,,
No. 104.	From	do.	do.	Cuddapah,	,,	17th	,,	,,	,,
No. 105.	From	do.	do.	Kurnool,	,,	24th	,,	,,	,,
No. 106.	From	do.	do.	Presidency,	,,	22nd	,,	,,	,,
No. 107.	From	do.	do.	Chingleput,	,,	14th	August	,,	,, 1,202.
No. 108.	From	do.	do.	North Arcot,	,,	19th	July	,,	,, 1,346.
No. 109.	From	do.	do.	South Arcot,	,,	31st	,,	,,	,,
No. 110.	From	do.	do.	Salem,	,,	28th	,,	,,	,, 57.
No. 111.	From	do.	do.	Tanjore,	,,	29th	,,	,,	,,
No. 112.	From	do.	do.	Trichinopoly,	,,	23rd	,,	,,	,,
No. 113.	From	do.	do.	Coimbatore,	,,	7th	August	,,	,,
No. 114.	From	do.	do.	Malabar,	,,	18th	,,	,,	,, 80.
No. 115.	From	do.	do.	Madura,	,,	8th	,,	,,	,,
No. 116.	From	do.	do.	Tinnevelly,	,,	28th	July	,,	,,

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 30th June 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.	
Godavery. Extension of Irrigation from Eastern Delta.	10,80,800	2,00,000	31,092	31,092	4,05,014	1. *Head Sluice.* Estimate Rupees 17,890 ... ... Postponed. 2. *Main Duct.* Estimate Rupees 28,060 ... ... Do. 3. *Cocanada Canal.* Estimate Rupees 1,86,800. Earthwork... ... ... 0·73 Masonry ... ... 0·95 Distribution ... ... 0·33 4. *Mundapetta Canal.* Estimate Rupees 74,100. Earthwork... ... ... 0·73 Masonry ... . 0·32 Distribution ... ... 0·02 5. BANK CANAL IN ABEYANCE. 6. *Coringa Canal.* Estimate Rupees 74,300. Earthwork... ... ... Postponed. Masonry ... ... 0·05 Distribution ... ... Postponed. 7. *Injaram Canal.* Estimate Rupees 28,050. Earthwork... ... ... Postponed. Masonry ... ... 0·63 Distribution ... ... Postponed. 8. *Biccavole Drain.* Estimate Rupees 65,000. Earthwork... ... ... 0·40 Masonry ... ... 0·75
Extension of Irrigation from Western Delta.	13,04,640	1,50,000	27,071	27,071	3,74,805	9. *Tuliabhaga Drain.* Estimate Rupees 1,38,100. Earthwork... ... ... 0·49 Masonry work ... ... 0·90 10. *Takee Main Drain.* Estimate Rupees 2,66,200. Postponed. 11. *Rest-houses.* Estimate Rupees 10,000 ... ... ·35 Four sanctioned, two in progress... ... ... 12. *Compensation for lands.* Estimate Rupees 56,800.... ... ... Postponed. 13. *Samulcottah Canal.* Estimate Rupees 1,31,200. Earthwork... ... ... 1·46 Masonry ... ... 0·85 Distribution ... ... Postponed. 14. *Bhemavaram Escape.* Estimate Rupees 4,200 ... ... 0·84 1. *Head Sluice, Main Canal.* Estimate Rupees 19,500. Not commenced. 2. *Main Canal.* Estimate Rupees 49,000. Not commenced. 3. *Kakaraparu Canal.* Estimate Rupees 33,000. Not commenced. *Compensation for land.* Estimate Rupees 2,000. Not commenced.

Proceedings of the Madras Government, Public Works Department, 7th November 1873.

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

Name of Work.	Amount of Estimate.	Current years Grant.	Expenditure: During the Quarter.	Expenditure: During the current year.	Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.
	Rs.	Rs	Rs.	Rs.	Rs.	
						4. *Narasapur Canal.*
						Estimate Rupees 2,09,600.
						Earthwork... ... ... 0·90
						Masonry ... ... 0·42
						Distribution ... ... 0·23
						Compensation for land—Rupees 3,820 advanced to Civil Officers.
						5. *Bank Canal.*
						Estimate Rupees 1,07,900.
						Earthwork... ... ... 0·00
						Masonry ... ... 0·00
						Distribution ... ... 0·00
						Masonries above drains ... ... 0·44
						Compensation for land ... ... 0·00
						6. *Venkiah and Weyairu.*
						Estimate Rupees 11,990.
						Earthwork ... ... 0·00
						Masonry ... ... 0·2
						7. *Undi Canal.*
						Estimate Rupees 1,10,700.
						Earthwork... ... ... 0·46
						Masonry ... ... Not commenced yet.
						Drains ... ...
						Distribution ... ...
						Compensation for land ... ...

						8. *Attily Canal.*
						Estimate Rupees 86,000.
						Earthwork... ... ... 0·38
						Masonry ... ... 0·32
						Distribution ... ... 0·09
						Compensation for land ... ... 0·00
						9. *Gostanadi and Velpur.*
						Estimate Rupees 1,41,060.
						Earthwork... ... ... Not commenced. 0·04
						Masonry ... ... 0·00
						Minor do. ... ... 0·00
						Compensation for land ... ...
						10. *Nakkala Drain.*
						Estimaté Rupees 13,200.
						Sluice Aqueduct ... ... Not commenced.
						11. *Gostandy Out-fall and Sluice.*
						Estimate Rupees 94,000. Not commenced.
						12. *Yanamadurra Drain.*
						Estimate Rupees 28,800.
						Earthwork... ... ... 0·17
						Masonry ... ... 0·00
						13. Other Drainages.
						Estimate Rupees 28,200.
						Bondada and Rudrayacodu.
						Earthwork ... ... 0·13
						Caza Drain.
						Earthwork ... ... 0·38
						Buggeswaram Drain.
						Earthwork... ... ... 0·72

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

Name of Work.	Amount of Estimate.	Current year's Grant.	Expenditure: During the Quarter.	Expenditure: During the current year.	Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.
	Rs.	Rs.	Rs.	Rs.	Rs.	
						Minor Drainages.
						Earthwork... ... ... 0·07
						14. *Drain West of Nursapur Canal.*
						Estimate Rupees 18,320.
						Earthwork ... ... 0·75
						Masonry ... ... Finished.
						15. *Ellore Canal.*
						Estimate Rupees 2,43,700.
						15A. *Main Canal.*
						Estimate Rupees 55,000.
						Earthwork ... ... Not commenced
						Masonry... ... ... 0·27
						15B. *Mid-Level Channel.*
						Estimate Rupees 42,620.
						Earthwork... ... ... 0·84
						Masonry ... ... 0·77
						Compensation ... ...
						15C. *Low-Level Channel.*
						Estimate Rupees 19,290.
						Earthwork... ... ... 0·86
						Masonry ... ... 0·71
						Compensation ... ...
						15D. *Pundicodu Drain.*
						Estimate Rupees 59,530.
						Earthwork... ... ... 0·89
						Masonry ... ... Finished.
						Compensation ... ...
Kistna. Enlargement, extension, and improvement of the channels in the Masulipatam Section of the Kistna Delta.	1,83,100	23,000	4,612	4,612	1,56,957	15E. *Drain from 9½ miles.*
						Estimate Rupees 24,000.
						Earthwork... ... ... 0·34
						Masonry ... ... 0·59
						Compensation Rupees 2,100—Rupees 40 advanced to Civil Officers.
						15F. *Drainage Diversion.*
						Estimate Rupees 21,700.
						Earthwork... ... ... 0·73
						Masonry ... ... 0·53
						15G. Estimate Rupees 21,500—Particulars will be given in next report
						16. *Rest-houses.*
						Estimate Rupees 23,200 ... ... 0·25
						17. *Restoring Navigation with Weyairu.*
						Estimate Rupees 72,500.
						Earthwork... ... ... 0·74
						Masonry .. .. 0·86
						18. *Additional Surplus Weir near the head of the Ellore Canal.*
						Estimate Rupees 14,000.
						Masonry ... ... 0·52
						Widening Pulleru from Pamarru to Kowtarum Lock.
						Estimate Rupees 17,000.
						Earthwork... ... ... 1·00
						Widening Pulleru from Marrivadah to Pamarru.
						Estimate Rupees 31,250.
						Earthwork ... ... 0·96
						Completing the sloping of banks of Masulipatam Canal from 1st to 4th mile.
						Estimate Rupees 10,100.
						Earthwork... ... ... 0·66
						Enlarging Masulipatam Canal from 4th to 12½ miles.
						Estimate Rupees 65,000.
						Earthwork... ... ... 0·73

Proceedings of the Madras Government, Public Works Department, 7th November 1873.

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

Name of Work.	Amount of Estimate.	Current year's Grant.	Expenditure: During the Quarter.	Expenditure: During the current year.	Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.
	Rs.	Rs.	Rs.	Rs.	Rs.	
						Enlarging Pulleru from Kankipaud Lock to Marrivadah. Estimate Rupees 27,900. Earthwork ... ... 0·99 *Constructing Regulating Sluice across Pulleru at Pamarru.* Estimate Rupees 7,000. Masonry ... ... 1·00 *Re-constructing a Bridge across the Cut connecting Masulipatam Canal with Pulleru near Pamarru.* Estimate Rupees 1,350. Masonry ... ... 1·00 *Constructing a Calingulah at Weyairu.* Estimate Rupees 5,600. Masonry ... ... 1·00 *Constructing Iron Punts.* Estimate Rupees 6,100. Iron ... ... 1·00
Kistna.						
Widening the head of Masulipatam Canal for 1,000 yards from the Anicut to the head of Ellore branch.	1,13,530	30,000	3,430	3,430	50,482	Earth-work ... ... 0·57; Masonry ... ... 0 43; Revetment ... ... 0·00; Roads ... ... 0·67
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 Duggeralla.	2,76,400	30,000	8,905	8,905	2,33,131	Earthwork ... ... 0·95; Masonry... ... ... 1·00
Enlarging and improvement of Ryves' Channel and its branches, and construction of the masonry works.	4,14,193	30,000	2,305	2,305	2,21,365	*Constructing a Sluice and Bridge at the head of alternative line* Estimate Rupees 16,267. Masonry ... ... 0·99 *Excavating a New Channel from the head of alternative line, including compensation.* Estimate Rupees 2,79,880. Earthwork ... ... 0·73 *Enlarging and improving Ryves' Channel from the 2nd mile to Pulliar near Marivadah.* Estimate Rupees 58,180. Earthwork ... ... 0·95 *Enlarging and improving Gudivadah Branch of Ryves' Channel.* Estimate Rupees 26,800. Earthwork ... ... 0·09 *Constructing three Accommodation Bridges on Ryves' Branch Channel.* Estimate Rupees 3,780. Masonry ... ... 0·66 *Constructing Iron Punt.* Estimate Rupees 6,100. Iron ... ... 0·74
Extension of Commamore Channel and construction of the necessary masonry works.	1,95,770	...	...	...	1,76,106	Materials collected for two Accommodation Bridges on Ryves' Channel, one bridge across Pullaru near Marrivadah, and for two Calingulahs and Bridges on Gudivadah Branch, Ryves' Channel. Earthwork ... ... 0·94; Masonry 0 80
Constructing an Accommodation Bridge across Commamore Channel at Kolakalore.	16,060	...	2,974	2,974	14,669	*Rapid at Duggeralla.* Earthwork ... ... 0·94; Revetment ... ... 0·85; Masonry ... ... 0·75; Masonry works ... ... 0·91
New cut or improvement to Commamore Channel below Kolakalore Bridge.	4,160	...	2,277	2,277	2,277	Earthwork 0 57

Proceedings of the Madras Government, Public Works Department, 7th November 1873.

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

Name of Work.	Amount of Estimate.	Current year's Grant.	Expenditure During the Quarter.	Expenditure During the current year.	Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.
Nellore.						
Improvements to the Survapully Channel.	Rs. 4,20,000	Rs. 50,000	Rs. 3,283	Rs. 3,283	Rs. 3,56,999	Portion of Survapully Reservoir revetment has been take down and rebuilt with puddle-backing to stop the great leakage that appeared last year. Work in fair progress. Considerable progress made with the deepening of the Survapully Channel between the head-sluice at Kanupartipaud and the Nellore Store-yard. Progress on this work will be shown in decimals in the next quarter.
South Arcot.						
Anicut across the Vellar River at Pelandorai.	2,00,555	75,000	13,020	13,020	1,43,575	*Anicut.* Brick-in-chunam ... 0·73; Concrete ... 0 75; Cut stone ... 0·21. *Main channel.* Earthwork ... 0 55. *Branch channels.* B ... 0·47; C ... 0·37; D ... 0·40. *Dam across the Vennaur at the Vellaur Head.* Estimate Rupees 87,810. *Vennaur Sluices.* Brick-in-chunam ... 0·875; Stone in do. ... 0·75; Earthwork ... 1·00; Shutters ... 1·00; Miscellaneous ... 0 875. *Vellaur Sluices.* Brick-in-chunam ... 0·875; Stone in do. ... 0·875; Shutters ... 0·60; Earthwork ... 0·875; Miscellaneous ... 0·875. *Dam across the Pamanyaur and Corayaur Heads.* Estimate Rupees 65,775. Earthwork ... 0·85; Brick-in-chunam ... 0·81; Stone in do. ... 1·13; Shutters ... 0·45; Miscellaneous ... 0·60. *Dam across the Pandavyar and Vellayaur.* Estimate Rupees 57,610. *Pandavyar Dam.* Brick-in-chunam ... 0·97; Stone in do. ... 1 29; Shutters ... 0·31; Earthwork ... 1·00; Miscellaneous ... 0 81. *Vellayaur Dam.* Brick-in-chunam ... 0·77; Stone in do. ... 0·77; Shutters ... 0·31; Earthwork ... 1·00; Miscellaneous ... 0·39; Bench-mark stones ... 0·566
Tanjore.						
Regulators for the principal branches of the Vennaur River.	1,97,240	11,300	11,716	11,716	1,86,448	
Fixing bench-mark stones along both banks of Colleroon, and incidental expenses connected with the Agunda, Cauvary, and Colleroon Survey.		1,000	475	41	41	567

Proceedings of the Madras Government, Public Works Department, 7th November 1873.

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

Name of Work.	Amount of Estimate.	Current year's Grant.	Expenditure During the Quarter.	Expenditure During the current year.	Total Expenditure to date.	Succinct Account showing the state to which the works have been advanced up to date.	
	Rs.	Rs.	Rs.	Rs.	Rs.		
Tinnevelly.							
Streeviguntum Anicut ..	8,31,600	62,000	7,199	7,199	8,15,397		
						Anicut	0 95
						Head Sluices	0·98
						Masonry works, north-side	0·92
						Do. south-side	0·98
						North tank—Completed.	
						Do. channel—Do.	
						South tank— Do.	
						Do. channel Do.	
						Oopar Oday embankment	0·92
						Masonry works, North-side.	
						Yeral Syphon Sluice, arch built one-half.	
						Oopar Oday Dam.	
						No work, arrangements made for going on with the work.	
						Conservancy at Yeral.—Earthwork in progess.	
						Field Channels.— South of river nearly completed.	
						Do.— North work in progress, five nearly completed	
						Irrigation Sluice.— South of river completed.	
						Do.— North two-fifths done.	

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 30th June 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	Papers with Chief Engineer for Irrigation.
Do.	Unnamalunka Project	Nearly ready.
Kistna	Eastern Delta	Plans and estimates for Irrigation and drainage of the Kykalur Section completed. The rest are in very rapid progress. The remaining field-work is nearly completed.
Do.	Western Delta	Plans and estimates with Chief Engineer for Irrigation.
Tinnevelly ...	Numbiar River Irrigation ...	Survey and levels completed.
Do.	Improvement and extension of irrigation under the Tambrapoorny and its tributaries.	No further progress has been made during the quarter. Field-work has been completed.
Madura	Perryaur Project	Has been submitted to Government.

No. 117. ORDER THEREON, 7th November 1873, No. 2,721.

IRRIGATION, No. 6.

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. 118. (DOCKET, No. 2,722, 7th November 1873.)

COPY of the above forwarded to the Government of India.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

Exd. W. H. French.

Spare Copies.

Irrigation No.

Ch. Engr for Irrn
Engr Godavery, Kistna & Pennar
Secretary Tanjore & Trichinopoly
Despatch No 29/1/74

Irrigation

No 2721

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

Recd. 16/10/73

No 2722

Copy of the above forwarded to Govt of India.

45

S.C. order 17/11/73.

Govt. of {1873} Madras.

PUBLIC WORKS.

To the Secretary to the
Govt of Madras

Read

G. O. No. 2721-W
2722

Nos. 98 & 117 & 118

Irrigation Works - Papers
relating to Statements showing
the progress of Agricultural
Improvements
to be submitted
Land
made in the Irrigation Projects.
under the Guarantee Rules

Nos 3

No. 98. 118.