M.R.O. 1—10,006—28-2-50.

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MADRAS RECORD OFFICE

Government of Madras

Public Works. DEPARTMENT

G.O. No.	3081AA	Press
~~B.P. No.~~	3081BB	~~Mis.~~
430AA		
430TT		
Dated	29-12-1873	~~195~~

Not to be folded or roughly handled

Read the following papers:—

No. 430AA.	From	the District Engineer,	Ganjam,	dated	14th Oct.	1873,	No. —.
No. 430BB.	From	do.	Vizagapatam,	,,	18th ,,	,,	,, —.
No. 430CC.	From	do.	Godavery,	,,	5th Nov.	,,	,, —.
No. 430DD.	From	do.	Kistna,	,,	30th Oct.	,,	,, —.
No. 430EE.	From	do.	Nellore,	,,	16th ,,	,,	,, —.
No. 430FF.	From	do.	Bellary,	,,	31st ,,	,,	,, —.
No. 430GG.	From	do.	Cuddapah,	,,	24th ,,	,,	,, —.
No. 430HH.	From	do.	Kurnool,	,,	14th ,,	,,	,, —.
No. 430II.	From	do.	Presidency,	,,	22nd ,,	,,	,, —.
No. 430JJ.	From	do.	Chingleput,	,,	14th Nov.	,,	,, 2,152.
No. 430KK.	From	do.	North Arcot,	,,	19th ,,	,,	,, 2,593.
No. 430LL.	From	do.	South Arcot,	,,	25th Oct.	,,	,, —.
No. 430MM.	From	do.	Salem,	,,	18th ,,	,,	,, 93.
No. 430NN.	From	do.	Tanjore,	,,	6th Nov.	,,	,, —.
No. 430OO.	From	do.	Trichinopoly,	,,	17th Oct.	,,	,, —.
No. 430PP.	From	do.	Coimbatore,	,,	17th ,,	,,	,, —.
No. 430QQ.	From	do.	Malabar,	,,	17th Nov.	,,	,, —.
No. 430RR.	From	do.	Tinnevelly,	,,	17th Oct.	,,	,, —.

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 30th September 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	16,303	47,395	4,21,317	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... ... ... 0·96 Distribution ... ... 0·38 4. *Mundapetta Canal.*—Estimate Rupees 74,100. Earthwork... ... ... 1·23 Masonry ... ... 0·36 Distribution ... ... 0·30 5. *Bank Canal, in abeyance.* 6. *Coringa Canal.*—Estimate Rupees 7[illegible]. Earthwork... ... ... Postponed. Masonry ... ... Do. Distribution ... ... 0·10 7. *Injaram Canal.*—Estimate Rupees 28,050. Earthwork... ... ... Postponed. Masonry ... ... 0·63 Distribution ... ... Postponed 8. *Biccavole Drain.*—Estimate Rupees 65,000. Earthwork... ... ... 0·45 Masonry ... ... 0·74 9. *Tooliabaga Drain.*—Estimate Rupees 1,38,100. Earthwork... ... ... 0·49 Masonry ... ... 0·90
Extension of irrigation from Western Delta.	13,04,640	1,50,000	31,680	58,751	4,06,485	10. *Take Main Drain.*—Estimate Rupees 2,66,300. Postponed. 11. *Rest-houses.*—Estimate Rupees 10,000 ... ... 0·50 12. *Compensation for lands.*—Estimate Rs. 56,800. Postponed. 13. *Samulcottah Canal.*—Estimate Rupees 1,31,200. Earthwork... ... ... 1·16 Masonry ... ... 0·85 Distribution ... ... Postponed. 14. *Bhemavaram Escape.*—Estimate Rupees 4,200 ... 0·87 1. *Head Sluice, Main Canal.*—Estimate Rs. 19,500. Not commenced. 2. *Main Canal.*—Estimate Rupees 49,000. Raising banks in 6th mile. 3. *Kakaraparu Canal.*—Estimate Rs. 33,000. Not commenced. 4. *Narasapur Canal.*—Estimate Rupees 2,[illegible],000. Earthwork... ... ... 1·00 Masonry ... ... 0·45 Materials for Mogultoor lock being collected. Filling in Kavitum lock going on, rest of work at a stand-still for want of gates and bridge. Distribution ... ... 0·24 Materials for Digamurru sluice being collected, and dressing of faces going on. 5. *Bank Canal.*—Estimate Rupees 1,07,900. Masonry above drains, 0·44. One under-tunnel built 2½ years ago. 6. *Venkiah and Weyairu.*—Estimate Rupees 11,960. Masonry ... ... 0·2 Nothing done for 3 years. 7. *Undi Canal.*—Estimate Rupees 1,10,700. Earthwork... ... ... 0·46 Earthwork of 11 miles done. Masonry ... ... 0·01 Materials being collected for head lock. Some of the materials collected for lattice weir transferred to bridge over Venkiah canal.

Proceedings of the Madras Government, Public Works Department, 29th December 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.	
8. *Attily Canal.*—Estimate Rupees 86,000.						
Earthwork ...					0·39	Earthwork to 11 miles almost all done.
Masonry ...					0·38	Gudicherla weir finished.
Distribution					0·15	Materials being collected for Dura sluice.
9. *Gostanadi and Velpur.*—Estimate Rupees 1,41,060.						
Earthwork ...					0·06	Sundry expenses.
Masonry ...					0·04	Collection of materials and dressing some for Gostanadi lock.
10. *Nakkala Drain.*—Estimate Rupees 13,200. Not commenced.						
11. *Gostanady Out-fall and Sluice.*—Estimate Rupees 94,000. Not commenced.						
12. *Yanamadurra Drain.*—Estimate Rupees 28,800.						
Earthwork ...					0·34	Strengthening of bunds going on.
13. *Other Drainages.*—Estimate Rupees 28,200.						
A.—*Bondenda and Rudroyacodu.*						
Earthwork ...					0·37	
B.—*Caza Drain.*						
Earthwork ...					0·38	
C.—*Buggeswaram Drain.*						
Earthwork ...					0·88	Removing bund done.
D.—*Minor Drainages.*						
Earthwork ...					0·07	

14. *Drain West of Nursapur Canal.*—Estimate Rupees 18,120.						
Earthwork ...					0·8	Done except some minor in falls.
Masonry ...						Finished.
15. *Ellore Canal.*—Estimate Rupees 2,43,700.						
15A. *Main Canal.*—Estimate Rupees 55,500.						
Masonry ...					0·3	
15B. *Mid-Level Channel.*—Estimate Rupees 64,180.						
Earthwork ...					0·86	
Masonry ...					0·78	
15C. *Low-Level Channel.*—Estimate Rupees 19,290.						
Earthwork ...					0·7	Earthwork finished except a little trimming.
Masonry ...					0·73	
15D. *Pundicoda Drain.*—Estimate Rupees 55,730.						
Earthwork...					0·89	Nothing done for 2 years.
Masonry ...						Finished.
15E. *Drain from 9½ miles.*—Estimate Rupees 24,000.						
Earthwork...					0·66	
Masonry ...					0·66	
15F. *Drainage Diversion.*—Estimate Rupees 21,700.						
Earthwork ...					0·78	Earthwork nearly finished.
Masonry ...					0·53	"1 Drop" and Bar, masonry finished.
16. *Rest-houses.*—Estimate Rupees 23,200					0·32	
17. *Restoring Navigation with Weyairu.*—Estimate Rs. 72,500.						
Earthwork ...					0·75	
Masonry ...						Nearly finished.
18. *Additional Surplus Weir near the head of the Ellore Canal.*— Estimate Rupees 14,000.						
Masonry ...					0·64	

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.
Kistna.	Rs.	Rs.	Rs.	Rs.	Rs.	
Enlargement, extension, and improvement of the channels in the Masulipatam Section of the Kistna Delta.	1,87,990	23,000	2,505	7,117	1,64,074	*Widening Pulleru from Pamarru to Kowtarum Lock.*—Estimates Rupees 17,000. Earthwork ... ... 1·00 *Widening Pullera from Marrivadah to Pamarru.*—Estimate Rupees 31,250. Earthwork ... ... 1·00 *Completing the sloping of banks of Masulipatam Cana from 1st to 4th mile.*—Estimate Rupees 10,100. Earthwork ... ... 0·82 *Enlarging Masulipatam Canal from 4th to 12½ miles.*—Estimate Rupees 65,000. Earthwork ... ... 0·88 *Enlarging Pulleru from Kankipaud Lock to Marrivadah.*—Estimate Rupees 27,900. Earthwork ... ... 0·99 *Constructing a Regulating Sluice across Pulleru at Pamarru.*—Estimate Rupees 7,000. Masonry ... ... 1·0 *Re-constructing a Bridge across the cut connecting Masulipatam Canal with Pulleru near Pamarru.*—Estimate Rs. Masonry ... ... Constructing a Calingulah at Weyairu.—Estimate 1·00 Masonry ... ...
Widening the head of Masulipatam Canal for 1,000 yards from the anicut.	1 13,530	30,000	1,823	5,25	53,195	*Constructing Iron Punts.*—Estimate Rupees 6,100. Iron ... ... 1·10 *Minor Branches and Sluices.*—Estimate Rupees 5,000. Masonry ... ... 0 1 Earthwork ... ... 0·60 Masonry ... ... 0·48 Revetment ... ... 0·10 Roads ... ... 0·67
Sloping down the banks of the Main Canal from Seetanagram to Dugeralla.	2,76,400	28,921 Deduct...	1,693 1,361	,236	2,33,462	Earthwork ... ... 0·96 Masonry ... ... 1·00
Enlargement and improvement of Ryves' channel and its branches	4,14,193	30,000	3,816	11,121	2,29,181	*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 2,79,8[illegible]. Earthwork ... ... 0·74 *Enlarging and improving Ryves' channel from the 2nd mile to Pullair near Marrivadah.*—Estimate Rupees [illegible] Earthwork ... ... [illegible] *Enlarging and improving Gudivada 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 Punts.*—Estimate Rupees 6,100. Iron ... ... 0·74 Materials collected for two accommodation bridges on Ryves' channel, one bridge across Pulleru near Marrivadah, and for two calingulahs and bridges on Gudivadah branch, Ryves' channel. *Minor Branches and Sluices.*—Estimate Rupees 5,000. Masonry ... ... 0·02

Proceedings of the Madras Government, Public Works Department, 29th December 1873.

Proceedings of the Madras Government, Public Works Department, 29th December 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	
Extension of Commamore Channel and construction of the necessary masonry works.	1,95,770		...	...	1,76,106	Earthwork and masonry ... ... 0·94
						Rapid at Duggeralla.
						Earthwork ... ... 0·94
						Revetment ... ... 0·85
						Masonry ... ... 0·75
						Masonry ... ... 0·95
Constructing an accommodation bridge across Commamore Channel at Kolakalore.	16,060	...	894	3,868	15,563	
New cut or improvement to Commamore Channel below Kolakalore bridge.	4,160	...	682	2,959	2,959	Earthwork ... ... 0·70
Nellore.						
Improvements to the Survapully Channel.	4,20,060	50,000	14,550	14,833	3,68,550	*Head Sluice.*—Estimate Rupees 18,060 ... ... 0·72 *Constructing a Regulating Sluice at the head of Jaffer Saib's Channel.*—Estimate Rupees 4,720 ... ... 1·07 Completed. *Deepening Survapully new cut and improving old Ramireddy Channel.*—Estimate Rupees 95,500 Earthwork ... ... 0·84 Masonry ... ... 0·94 Completed with the exception of one Irrigation sluice. Rubble pitching ... ... 0·65 Gravel backing ... ... 0·73 Miscellaneous ... ... 1·28 *Survapully Chaulan Channel.*—Estimate Rupees 1,26,500. Earthwork 0
						Masonry ... ... 0·97 Completed.
						Drainages ... ... 0·75
						Miscellaneous ... ... 2·16*
						Main Reservoir.—Estimate Rupees 1,14,000.
						Earthwork ... ... 0·98
						Laterite revetment ... ... 0·79
						Gravel backing ... ... 0·78
						Masonry ... ... 1·13 Completed.
						Miscellaneous ... ... 0·82
						Idagali Channel.—Estimate Rupees 33,440.
						Earthwork ... ... 0·90
						Masonry ... ... 1·19 Completed.
						Miscellaneous ... ... 0·13
						Vellur Branch.—Estimate Rupees 27,240.
						Earthwork ... ... } Completed.
						Masonry ... ... }
						Miscellaneous ... ... 0·09
Vellaur	2,00,555	75,000	17,787	30,807	1,61,362	*Anicut.*
						Brick-in-chunam ... ... 0·71
						Concrete ... ...
						Cut-stone ... ...
						Head sluice completed with the exception of coping, cut-stone and plastering.
						Main Channel.
						Earthwork ... ... 0·84
						Branch Channel A ... ... 0·15
						Do. B ... ... Completed.
						Do. C ... ... Nearly completed.
						Do. D ... ... Do.
						Do. F ... ... }
						Do. G ... ... }
						Do. H ... ... } Completed.
						Do. L ... ... }
						Do. M ... ... }
						Do. N ... ... }
						Improvements to Paliemcotta tank. Completed.
						Two culverts of two arch of 12 feet span each in the 9th and 10th miles. Completed.

* Survey operation, erecting bench marks, building sheds, etc., charged to this item, but not provided for in the estimate.

Proceedings of the Madras Government, Public Works Department, 29th December 1873.

Proceedings of the Madras Government, Public Works Department,
29th December 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 30th September 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.
Do. ...	Unnamalunka do.	Nearly ready.
Kistna	Surveying and levelling operations.	Plans and estimates of irrigation and drainage of the Kykalur Section completed.
Do.	Eastern Delta Range	The [illegible] work of Eastern Delta Project is nearly done. Plans, estimates, etc., are under preparation.
Do.	Western Delta Project... ...	The Western Delta Project is being revised under instructions from Chief Engineer for Irrigation.
Tinnevelly ...	Numbiar River Irrigation ...	Completed ; a little Draughtsman's work is wanted, and this only is delaying the submission of the report to the Chief Engineer for Irrigation.
Do.	Improvement and extension of irrigation under the Tambrapoorny and its tributaries.	Levels of the Main Channel completed ; plans of head-sluices under preparation.
Madura	Perryaur Project	Has been submitted to Government.

No. 430ss. ORDER THEREON, 29th December 1873, No. 3,081A.

IRRIGATION, No. 23A.
Account.

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.

No. 430TT. (DOCKET No. 3,081BB, dated 29th December 1873.)

COPY of the above forwarded to the Government of India.

(True Extract.)

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

End. C. Shunker
Spare Copies

Irrigation
Accts

No. 3081 A A

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

To The Ch: Engr for Irr:
" Supt Ganjam
Godavery
Kistna
" Nellore
" Southern
" Tanjore
" Madura
" Tinnevelly

No. 3081 B B.

Copy of the Despatch S-C 23/1/74 above forwarded to the Govt of India

Desp: 29/12/73 in Ind.
S-C — 23/1/74
Chief Engineer concurred
Copy for Govt of India

Govt. of India Madras.

PUBLIC WORKS.

To The Chief Engr. Concerned
and
To The Secretary to the Govt
of India

No.

Dated

Recd.

G. O. 29th Dec. 1873. No. 3081 A.1.
3081 B.B.

Nos. 430 A.1 & 430 B.B.

Statement showing the progress
of Agricultural works from
Extraordinary Funds &
and of the investigations
made with new Irrigation
Projects to be carried out
from Loan Funds during
the quarter ended 30th Sept 73.

Forwarded Statement &c.
in the progress of agricultural
works and of investigations
made with new Irrigation Projects
during the quarter ended 30th Sept 73.