

(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.	20/4-15	Press
B.P. No.		Mis.
Dated	27-7-	195- ⁰⁸⁷⁴

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
27th July 1874.*

Read the following papers :—

No. 565.	From District Engineer, Ganjam, dated 2nd April 1874.
No. 566.	From Do. Godavery „ 28th „ „
No. 567.	From Do. do. „ 29th „ „
No. 568.	From Do. Kistna „ 7th „ „
No. 569.	From Do. do. „ 25th „ „
No. 570.	From Do. Nellore „ 21st „ „
No. 571.	From Do. South Arcot „ 20th „ „
No. 572.	From Do. Tanjore „ 26th May „
No. 573.	From Do. Tinnevelly „ 24th April „
No. 574.	From Do. do. „ 1st „ „

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st 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.		
Godavery. Extension of irrigation from Eastern Delta.	RS. 10,80,800	RS. 1,00,000	RS. 35,782	RS. 85,008	RS. 4,62,233	1. <i>Head Sluice</i> .—Estimate Rupees 17,890 Postponed.
						2. <i>Main Duct</i> .—Estimate Rupees 28,060 0-03 A portion of work done in third mile of main duct, and a few Buntadars at work until head-sluiice is closed, when a large number will be employed.
						3. <i>Cocanada Canal</i> .—Estimate Rupees 1,86,800— Earthwork 0-76 } Madapad reach being cut out to full Masonry 0-96 } section, and two miles from seven Distribution 0-55 } to nine completed; remaining in progress; all locks completed. Madapad south side high level channel, earthwork completed; foundations of aqueduct laid, and iron trough ready for fixing. Sampara and Corapa channel head-sluiice and dividing dams, foundations laid and superstructure in progress.
						4. <i>Mundlapetta Canal</i> .—Estimate Rupees 74,100— Earthwork 1-23 } Thapaswaram lock and weir completed, Masonry 0-41 } floor of latter requires repairs, Distribution 0-03 } which will be carried out in April 1874. Minor distribution projects not investigated.
						5. <i>Dank Canal</i> .—Estimate Rupees 2,33,200— Earthwork Masonry Distribution Compensation 0-6

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

6. <i>Coringa Canal</i> .—Estimate Rupees 74,300— Earthwork Postponed } Materials in part collected for Masonry 0-19 } Allamoor calingulah. No Distribution 0-01 } earthwork done.	7. <i>Injeram Canal</i> .—Estimate Rupees 28,050— Earthwork Masonry Distribution Raising canal banks below Yena Pothavaram Lock in progress. No other work executed.	8. <i>Biccavole Drain</i> .—Estimate Rupees 65,000— Earthwork 0-54 } 55,470 Cubic yards Earthwork Masonry 0-74 } during the month executed. Vattapallem branch completed. End of drain will be excavated in April, as the head-sluiices are closed. Kykavole drain in progress, and three-fourths completed.	9. <i>Tootiabaga Drain</i> .—Estimate Rupees 1,38,100— Earthwork 0-52 } Earthwork below calingulah com- Masonry 0-90 } menced and in progress as far as fifth mile. Calingulah com- pleted.	10. <i>Takce Main Drain</i> .—Estimate Rupees 2,66,300— Earthwork 0-04 } Earthwork in progress in the last Masonry 0-46 } six miles of drains as far as Distribution Postponed } Dungaroo; 133,077 cubic yards excavated up to 31st March. Materials in part collected for calingulah at head of drain.	11. <i>Nest-houses</i> .—Estimate Rupees 10,000 0-71. Rest-house at Dowlaiswaram completed. Chintapilly Rest-house com- pleted Jagunnadagiri rest-house, basement raised and superstructure in progress. Kotipully rest-house, basement raised and materials collected for superstructure.
--	---	---	---	---	---

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st March 1874.

Proceedings of the Madras Government, Public Works Department,
27th July 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.	
Extension of irrigation from Western Delta.	13,04,640	1,40,000	66,901	1,49,580	4,97,314	12. Compensation for land.—Estimate Rupees 56,800. 13. Samulcottah Canal.—Estimate Rupees 1,31,200— Earthwork 1-16 Masonry 0-85 Distribution Postponed. Compensation... .. Rupees 8 advanced to Civil Officers. 14. Bemaveram Escape.—Estimate Rupees 4,200—0-87. Will be completed in April, and wingwalls raised full proposed height. 1. Head Sluice, Main Canal.—Estimate Rupees 19,500. 2. Main Canal.—Estimate Rupees 49,000— Earthwork... .. 0-17 Earthwork between two and three-eighths and sixth mile finished. 3. Kakaraparru Canal.—Estimate Rupees 33,000. Not commenced. 4. Narsapur Canal.—Estimate Rupees 2,09,600— Earthwork 1-00 Finished. Masonry 0-57 Diggamarru sluice finished. Mogalkoor Distribution 0-33 lock about two-thirds floor done Diggamarru channel in hand. Compensation for land. Rupees 195 advanced to Civil Officers during the year.

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

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 11,960— Earthwork 0-12 Ellorepad channel done. Masonry 0-22	7. Undi Canal.—Estimate Rupees 1,10,700— Earthwork 0-58 Earthwork 11½ to 20 miles in hand. Masonry 0-24 Head lock in hand. Drains 0-00 Distribution 0-02 Compensation for land.	8. Attily Canal.—Estimate Rupees 86,000— Earthwork 0-51 Nearly finished. Masonry 0-58 Gunnampad, lock finished up to floor level. Distribution 0-28 Different sluices in hand. Compensation for land. Rupees 74-8-5 advanced to Civil Officers during the year.	9. Gostanuddy and Velpur.—Estimate Rupees 1,41,060— Earthwork 0-14 Masonry 0-14 Head lock and weir in hand. Minor do. 0-00 Compensation for land.	10. Nakkala Drain.—Estimate Rupees 13,200.	11. Gostanuddy out-fall and sluice.—Estimate Rupees 94,000— Earthwork 0-01 Banking up Buggaisweram drain. Masonry 0-00 Minor do. 0-00 Compensation for land.
--	---	--	--	--	--	---

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the Quarter ended 31st March 1874.

Proceedings of the Madras Government, Public Works Department, 27th July 1874.						
Name of Work.	Amount of Estimate. RS.	Current year's Grant. RS.	EXPENDITURE.		Total Ex- penditure. RS.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter. RS.	During the current year. RS.		
	RS.	RS.	RS.	RS.	RS.	
						12. Yanamaduru Drain.—Estimate Rupees 28,800— Earthwork 0.43 Strengthening between Gollacoderu and Bomaveram in hand. Masonry.
						13. Other Drainages.—Estimate Rupees 28,200— A.—Bundada and Rudroyacodu— Earthwork... .. 0.37 B.—Casa Drain— Earthwork 0.38 C.—Buggesweram Drain— Earthwork 0.87 D.—Minor Drainages— Earthwork 0.07
						14. Drain west of Nursapur Canal.—Estimate Rupees 18,320— Earthwork 0.80 Masonry 1.00 Finished. Compensation for land ... Rs. 251 II 4 advanced to Civil Officers.
						15. Ellore Canal.—Estimate Rupees 2,43,700.
						15 A. Main Canal.—Estimate Rupees 55,000— Earthwork 0.29 Between 15.20 miles, and in 29th and 30th miles.

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

Masonry 0.33 Pullah and Madaveram sluices in hand.	
15 B. Mid Level Channel.—Estimate Rupees 64,180— Earthwork 0.00 Masonry 0.80 Drop 14th mile going on. Compensation for land	
15. C. Low Level Channel.—Estimate Rupees 19,290— Earthwork 0.87 Masonry 0.78 One Irrigation sluice in hand. Compensation	
15 D. Pundicodu Drain.—Estimate Rupees 59,530— Earthwork 0.89 Masonry 1.00 Finished. Compensation	
15 E. Drain from 9½ miles.—Estimate Rupees 24,000— Earthwork 0.65 Masonry 0.66 Compensation Rupees 40 advanced to Civil Officers.	
15 F. Drainage Diversion.—Estimate Rupees 21,700— Earthwork 0.78 Masonry 0.57	
16. Rest-houses.—Estimate Rupees 23,200 0.41	
17. Restoring navigation with Weyairu —Estimate Rs. 72,500— Earthwork 0.83 Finished. Masonry 0.90 Almost finished. Compensation Rupees 10 advanced to Civil Officers.	
18.—Additional Surplus weir near the head of the Ellore Canal— Estimate Rupees 14,000— Masonry 0.80 Nearly finished.	

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		Total Expenditure.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
Kistna. Improving Masulipatam Section of the Kistna Delta.	RS.	RS.	RS.	RS.	RS.	Widening Pulleru from Panarru to Kowtarum Lock.—Estimate Rupees 17,000.
	1,87,990	23,000				Earthwork 1-00
	Deduct 6,635	12,500	3,205	10,328	1,62,673	Widening Pulleru from Marrivada to Panarru.—Estimate Rupees 31,250.
		10,500				Earthwork 0-99
						Sloping of banks of Masulipatam Canal from 1st to 4th mile.—Estimate Rupees 10,100.
						Earthwork 0-72
						Enlarging Masulipatam Canal from 4th to 12½ mile.—Estimate Rupees 65,000.
						Earthwork 0-83
						Enlarging Pulleru from Kankipaud Lock to Marrivada.—Estimate Rupees 27,900.
						Earthwork 0-99
						Constructing a Regulating Sluice across Pulleru at Panarru.—Estimate Rupees 7,000.
						Masonry 1-00
						Reconstructing a Bridge on Junction Canal near Panarru.—Estimate Rupees 1,350.
						Masonry 1-00
						Constructing a Calingulah at Weyairu.—Estimate Rupees 5,600.
						Masonry 1-00

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

Widening the head of Masulipatam Canal.	1,13,530	22,635				Constructing Iron Punt.—Estimate Rupees 6,100.
	Deduct 6,635	16,000				Iron 1-00
			9,020	63,942		Minor Branches and Sluices.—Estimate Rupees 5,000.
						Masonry 1-00
						Earthwork 0-73
						Masonry 0-41
						Revetment 0-13
						Roads 0-80
						Earthwork 0-96
						Masonry 1-00
Enlarging South Main Canal from Seetanagaram to Duggeralla.	2,76,404	28,921	15,907	2,40,133		Head Sluice and Bridge.—Estimate Rupees 16,267.
	Deduct 10,000	18,921	42,032	2,60,092		Masonry 0-99
		30,000				Excavating Canal.—Estimate Rupees 2,79,880.
		12,000				Earthwork 0-64
		42,000				Enlarging and improving Ryves' Channel from the 2nd mile to Pullair near Marrivada.—Estimate Rupees 58,180.
						Earthwork 0-71
						Enlarging and improving Gudiavadah 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
Enlargement and improvement of Ryves' canal and its branches.	4,14,193					Constructing Iron Punt.—Estimate Rupees 6,100.
	Add					Iron 0-74

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		Total Expenditure.	Succinct Account showing the state to which the works have been advanced up to date.
			During the Quarter.	During the current year.		
Extending Commamore Channel.	1,95,770	652	402	402	1,76,508	Materials collected for two accommodation bridges on Ryves' Channel, one bridge across Pulleru near Marriada and for two Ualingulaks and Bridges on Gudivada Branch, Ryves' Channel.
Constructing a bridge across Commamore Channel at Kolakalore.	16,060	3,205		3,205	14,899	Minor Branches and Sluices.—Estimate Rupees 5,000. Masonry Earthwork Earthwork Masonry Rivertment Masonry
New cut to Commamore Channel at Kolakalore bridge.	4,160	4,160	920	4,132	4,132	Rapid at Duggeralla.
Improvements to the Survapully Channel.	4,20,060	25,000	4,977	25,011	3,78,728	Head Sluice.—Estimate Rupees 18,060 Regulating Sluice at the head of Jaffer Sahib's Channel.—Estimate Rupees 4,720.—1-09 Completed. Deepening Survapully New Cut and improving old Ramaraddy Channel.—Estimate Rupees 95,500. Earthwork Masonry Rubble pitching Gravel backing Miscellaneous

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

South Arcot. Anicut across the Vellaar river at Itlandorai.	2,00,555	75,000	20,550	57,693	1,88,249	Survapully Channel.—Estimate Rupees 1,26,500. Earthwork Masonry works Drainage Miscellaneous Main Reservoir.—Estimate Rupees 1,14,000. Earthwork Laterite revetment Gravel backing Masonry works Miscellaneous Idagali Channel.—Estimate Rupees 33,440. Earthwork Masonry works Miscellaneous Vellaar Branch.—Estimate Rupees 27,840. Earthwork Masonry works Miscellaneous Brick-in-chunam Concrete Culstone Head Sluice Main Channel. Earthwork Branch Channel A Do. B Do. C Do. D Do. F, G, H, I, M, and N Improvements to Polimcottah tank Two culverts of two arches of twelve feet span each in the ninth and tenth miles Eleven Minor Distribution sluices
						0-83 1-02 0-82 2-09 1-02 0-8 0-8 1-15 Completed. 0-96 0-90 Nearly completed. 1-19 Completed. 0-14 Completed. 0-13 Anicut. Completed. 0-60 Completed except plastering. 0-90 Completed except sloping. Completed. Do. Completed, but sloping some places. Do. Completed. Do. Completed.

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

*Proceedings of the Madras Government, Public Works Department,
27th July 1874.*

[illegible]

Proceedings of the Madras Government, Public Works Department,
27th July 1874.

Name of Work.	Amount of Estimate.	Current year's Grant.	EXPENDITURE		Total Expenditure.	Succinct Account showing the state to which works have been advanced up to date.
			During the Quarter.	During the current year.		
	RS.	RS.	RS.	RS.	RS.	
<i>Channels and works south side of river.—Estimate Rupees 2,02,265.</i>						
Earthwork	...	...	...	...	...	Completed.
Masonry	...	...	...	...	...	0-98
Miscellaneous	...	...	...	...	...	0-97
<i>Channels and works north side of river.—Estimate Rupees 3,02,357.</i>						
Earthwork	...	...	...	...	...	Completed.
Masonry	...	...	...	...	...	0-99
Miscellaneous	...	...	...	...	...	0-98
<i>Small Channels.—Estimate Rupees 20,000</i>						
Do. Sluices.—	...	...	Do.	18,600	...	0-79
General sundries.—	...	...	Do.	40,925	...	0-97
Compensation.—	...	...	Do.	40,000	...	0-86

Proceedings of the Madras Government, Public Works Department,
27th July 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 March 1874.

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. ...	Vamasadara river or Caicacole Project.	Papers with Chief Engineer for Irrigation.
Godavery ...	Central Delta Project ...	
Kistna ...	Unnamalunkah do. ...	Plans and estimates of irrigation and drainage of Kykalur section, completed.
Do. ...	Surveying and levelling operations.	The out-door work of Eastern Delta project is nearly done. Plans, estimates, etc., are under preparation.
Do. ...	Eastern Delta Range ...	The Western Delta Project is being revised under instructions from Chief Engineer for Irrigation, and Nizampatam Canal portion is nearly ready.
Do. ...	Western do. ...	Completed, and will be shortly submitted to the Chief Engineer for Irrigation.
Tinnevelly ...	Numbiar River Irrigation ...	Papanasam Reservoir scheme in abeyance till an officer is appointed specially for its survey. 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.
Do. ...	Improvement and extension of irrigation under the Tambrapoorney and its tributaries.	Has been submitted to Government.
Madura ...	Perryaur Project ...	

No. 575.

ORDER THEREON, 27th July 1874, No. 2,014.

IRRIGATION, No. 51.
Account.

ORDERED that the foregoing statement be forwarded to the Government of India.

(True Extract.)

(Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

No. 576.

(DOCKET No. 2,015, dated 27th July 1874.)

COPY of the above forwarded to the Government of India.

(True Extract.)

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

Exd. S. T. Austin.
Spare Copies.

172

in thereon

Ordered that the
Statements be
taken and for-
warded to the Govt.
India.

by: 16/7/20

2015-

like above forwarded
to J. J. J. J.

20. *Reichs-Buchdruckerei*
in Wien
Verkauft ✓
in der Buchhandlung
in Wien
Verkauft ✓
in der Buchhandlung
in Wien
Verkauft ✓

10. *L. Capinus* despr. 6/8/74

Read the following papers:

From the District Engineer Ganjam dated 2 April 1874.

No - - - - - To Savery 28° do

do do 29 do

do do Kristna y do

do do 25 do

do do Nellore 21 do

----- de ----- *S. Arcot* ----- 20° ----- de -----

As - - - - - Lahore 26 May

----- do ----- Tinnerelly 24 April.

-----do-----do-----1st April.

Govt. of (1874) Madras.

PUBLIC WORKS.

The Dist. Engineer
The Secy. to the Govt. of India

Encl.

27 July 1874. No. 2014
2255

Nos. 555-576

Statement showing the progress
of Agricultural Works
from ordinary funds &
investigations made

new Irrigation Projects
to be carried out from
Loan funds for the period
ended 31st March 1874,
ordered to be forwarded
to the Govt. of India -