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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	597-98	Press
B.P. No.		Mis.
Dated	2 - 3 -	195

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Proceedings of the Madras Government, Public Works Department,
2nd March 1875

Read the following papers :—

No 65.	From the District Engineer, Ganjam, dated 30th Sept 1874				
No 66.	From	do.	Godavery	„	28th Oct „
No. 67.	From	do.	„	„	27th „ „
No. 68	From	do.	Kistna	„	24th „ „
No 69.	From	do.	„	„	13th „ „
No. 70.	From	do	Nellore	„	19th „ „
No 71.	From	do.	South Arcot	„	16th „ „
No 72.	From	do.	Tanjore	„	27th „ „
No 73.	From	do.	Tinnevelly	„	23rd „ „
No. 74	From	do.	„	„	30th Sept. „

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the quarter ended 30th September 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 14,00,200	RS 1,59,300	RS 34,157	RS 64,424	RS 5,26,721	1 Head Sluice — Estimate Rupees 17,890 .. Postponed Shutters for 4 vents under preparation
						2 Main Duct — Estimate Rupees 28,060 .. 0 48 Postponed
						3 Cocanada Canal — Estimate Rupees 1,86,800— Earthwork .. 0 86 Postponed Masonry .. 0 96 Do Coveor and Chintapully Lock, Tail Bay, bridges under demolition for re-construction with greater headway Distribution .. 0 60 Postponed
						4 Mundapetta Canal — Estimate Rupees 74,100— Earthwork .. 1 23 Masonry .. 0 42 Distribution .. 0 16
						5 Dank Canal — Estimate Rupees 2,33,200— Earthwork .. 0 04 Earthwork partially done in 6th and 9th miles and in 2nd mile at head of the canal Masonry .. 0 12 Chojella lock in progress Lower gate quoins built 4 feet high, and lower culverts nearly completed Rear wings and side walls raised 9½ feet high. Materials for lock weir supplied and being worked up Distribution Postponed. Compensation Do

Proceedings of the Madras Government, Public Works Department,
2nd March 1875.

6	Coringa Canal — Estimate Rupees 74,300— Earthwork Postponed Masonry .. 0 23 Materials collected for Alamoor lock weir Distribution .. 0 07 Materials under collection for Vellaur north and south high level, etc., and Yendamur channel dividing dams High level channel from Alamoor lock to cultivate 7,000 acres and bank under investigation.	0 06 0 63 Postponed
7	Injeram Canal — Estimate Rupees 28,050— Earthwork Masonry Distribution	0 06 0 63 Postponed
8	Biccaole Drain — Estimate Rupees 65,000— Earthwork Masonry	0 66 0 77
9	Toolabaga Drain — Estimate Rupees 1,38,100— Earthwork Masonry	0 54 0 90
10	Takee Main Drain — Estimate Rupees 2,66,300— Earthwork .. 0 09 Masonry .. 1 21 Revised estimate for surplus weir at head of drain for Rupees 7,510 submitted Body wall and piers raised 10 feet high and materials supplied being dressed Distribution Postponed.	0 09 1 21 Postponed.
11	Rest-houses* — Estimate Rupees 10,000 Roofing in progress to Kotapilly and Jaganadagery Rest-houses	0 83
12	Compensation for lands — Estimate Rupees 56,800—	
13	Samulcottah Canal — Estimate Rupees 1,31,200— Earthwork Masonry .. 0 85 Revised plans for high level sluices being prepared Distribution Postponed	1 16 Postponed

Proceedings of the Madras Government, Public Works Department,
2nd March 1875.

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		
Godavery. Extension of Irrigation from Western Delta Add expenditure incurred on Agadialunka channel, Vide G. O. No 2,065, dated 30th July 1874	RS 14,10,000	RS 1,87,437	RS 26,122	RS 68,971	RS 5,69,823	14 Bemaveram Escape — Estimate Rupees 4,200, 0 85 completed 15 Tools and Plant — Estimate Rupees 86,200—
				3,539		1 Head Sluice, Main Canal — Estimate Rupees 19,500 Not commenced
				72,510		2 Main Canal — Estimate Rupees 49,000— Earthwork . 0 20 From 2½ to 4 miles (hard line) deepened and enlarged, and banking 4 to 6 miles done
						3 Kakaraparru Canal — Estimate Rupees 33,000— Earthwork Compensation for land ... Not commenced
						4 Narsapur Canal — Estimate Rupees 2,09,600 Earthwork . . . 1 00 Finished. Masonry . . . 0 62 Peravelly lock and weir finished Itempudy lock and weir and Kavetum lock finished, and Mogultur lock three-fourths done Distribution . . . 0 40 Five Irrigation sluices and four Irrigation dams, one under-tunnel, and six Irrigation channels finished Compensation for land — Rupees 1,213.
						5 Bank Canal — Estimate Rupees 1,07,900— Earthwork Channel from surplus weir to Naccala nearly finished

Proceedings of the Madras Government, Public Works Department,
2nd March 1875.

Masonry Distribution	0 10	Materials for Kodur lock and for surplus weir in 2nd mile being collected
Masonries above drains	0 44	One under-tunnel finished
6 Fenkiah and Weyaru	—	Estimate Rupees 11,960—
Earthwork		0 12 Yellurpad channel finished
Masonry finished		0 27 Alterations of Chhillarampaud escape finished
7 Unda Canal	—	Estimate Rupees 1,10,700—
Earthwork		0 75 Excavation finished, but yet some expenditure required to trim and strengthen banks.
Masonry		0 19 Head lock about three-fourths built
Distribution		0 01 Two minor channels finished
8 Attala Canal	—	Estimate Rupees 86,000—
Earthwork		0 60 Excavation finished except two curves, banking one-eighth done, surplus channel from weir 10½ miles commenced
Masonry		0 73 Godicherla lock and weir finished, Gunrumpad weir finished, and lock three-fourths done, materials for weir at 10½ miles being collected. Ralinghy head sluice three-fourths done
Distribution		0 56 Two under tunnels, irrigation sluices, three irrigation dams, two irrigation channels finished
9 Gostanuddy and Velpur	—	Estimate Rupees 1,41,060
Earthwork		0 28 14 to 21 miles almost finished. Weir channel at head almost finished
Masonry		0 25 Head lock seven-eighths done
Minor masonry works		Head weir seven-eighths done
10. Nakkala Drain	—	Estimate Rupees 13,200 Not commenced
11 Gostanuddy Out-fall and Sluice	—	Estimate Rupees 94,000
Earthwork		0 71 83,911 Cubic yards done.

*Proceedings of the Madras Government, Public Works Department,
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*Proceedings of the Madras Government, Public Works Department,
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Kistna		Improving Masulipatam Section of the Kistna Delta	
1,87,990	9,645	5,512	7,824
1,74,970			
Earthwork			
Widening Pulleru from Pamarru to Kowtarum Lock — Estimate Rupees 17,000.			
19 Tools and Plant — Estimate Rupees 1,05,360			
Masonry ... 0 83 Almost finished			
18 Additional Surplus Weir near the head of the Ellore Canal — Estimate Rupees 14,000			
Masonry ... 0 83 Almost finished			
17. Restoring Navigation with Weyairu — Estimate Rupees 72,500			
Earthwork . 0 86			
Masonry . 0 90 Finished, except a little coping to Maddapurum lock			
16 Rest-houses — Estimate Rs 23,200, 3 finished and one one-fourth done			
Masonry . 0 76 Finished except fixing one foot bridge to drop and Chinandracollu channel sluice			
Earthwork 0 78			
15-F Drainage Diversion — Estimate Rupees 21,700 —			
Masonry . 0 66 Work finished, except a little trimming			
Earthwork . 0 66 Finished			
15-E Drain from 9½ miles — Estimate Rupees 24,000 —			
Masonry . 0 89			
Earthwork . 1 00 Finished			
15-D Pandicodu Drain — Estimate Rupees 59,530			
Masonry . 0 80			
Earthwork . 0 80 Four drops, one escape, two bridges and two village sluices finished, one village sluice three-fourths done			
15-C Low Level Channel — Estimate Rupees 19,230 —			
Masonry . 0 89			
Earthwork . 0 89			
15-B Mid Level Channel — Estimate Rupees 64,180 —			
Masonry . 0 89			
Earthwork . 0 89 Head sluice six bridges, five drops, one under tunnel, one escape, and three village sluices finished, two village sluices and one drop half done			

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2nd March 1875.*

Name of Work	Amount of Estimate	Current year's Grant	EXPENDITURE		Total Ex- penditure	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>Widening Pulleru from Marrivada to Pamarru—Estimate Rupees 31,250</i>
						Earthwork .. 0 99
						<i>Sloping banks of Masulipatam Canal from 1st to 4th mile—Estimate Rupees 10,100</i>
						Earthwork 0 75
						<i>Enlarging Masulipatam Canal from 4th to 12½ miles—Estimate Rupees 65,000</i>
						Earthwork . 0 94
						<i>Enlarging Pulleru from Kankipaud Lock to Liarrivada—Estimate Rupees 27,900</i>
						Earthwork . 0 99
						<i>Constructing a Regulating Sluice across Pulleru at Pamarru—Estimate Rupees 7,000</i>
						Masonry 1 00
						<i>Constructing a Bridge on Junction Canal near Pamarru—Estimate Rupees 1,350</i>
						Masonry 1 00
						<i>Constructing a Calingulah at Weyairu—Estimate Rupees 5,000</i>
						Masonry 1 00
						<i>Constructing Iron Punks—Estimate Rupees 6,100</i>
						Iron 1 00

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	1,13,530	29,327	7,155	17,402	81,344	Masonry	Minor Branches and Sluices—Estimate Rupees 5,000
Widening the head of Ma-sulipatam Canal						{ Earthwork Masonry Revetment Roads Earthwork Masonry	004 094 047 020 086 096 100
Enlarging South Main canal from Seetanagram to Dugralla	2,76,404	28,254	1,403 Deduct re-covery	32,211 6,902	2,65,491		
Enlargement and improve-ment of Ryves' canal and its branches	4,14,193	28,000	7,546	25,309 15,805	2,73,748	Masonry Earthwork	Head Sluice and Bridge—Estimate Rupees 16,267 Excavating Canal—Estimate Rupees 2,79,880 Enlarging and improving Ryves' Channel from the 2nd mile to Pullair near Marivada—Estimate Rupees 58,180 Enlarging and improving Gudivada branch of Ryves' Channel—Estimate Rupees 26,800 Constructing three accommodation bridges on Ryves' branch channel—Estimate Rupees 3,780 Constructing Iron Puntis—Estimate Rupees 6,100 Minor Branches and Sluices—Estimate Rupees 5,000
Extending Commamore Channel	5,680	250	250	250	1,76,517	Masonry Earthwork and masonry Earthwork Revetment and masonry Masonry	020 094 100 100 100
Constructing a bridge across Commamore Channel at Kolakalore	8,030			...	15,895		Rapid at Dugralla
	1,95,770						
	16,060						

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		Total Expenditure	Success Account showing the state to which the works have been advanced up to date
			During the Quarter	During the current year		
Fixing bench mark stones along both banks of Cole-roon, and incidental expenses connected with the Angunda-Cauvery and Cole-roon Survey	1,000	267	155	340	1,073	Vellayar Dam Brick-in-chunam 1 00 Cutstone-in-do 1 00 Shutters 0 95 Earthwork 1 00 Miscellaneous 0 97 Expenditure 1 07
South Arcot. Ancient across the Vellaur river at Pelandora	2,00,555	20,000 Deduct recovery	5,963	16,170 200	204827	Ancient Brick-in-chunam 1 20 Concrete Completed Cutstone, dressed 0 89 Do, undressed 1 03 Completed Do, rough stone 0 80 Head sluice Completed Main channel Completed Branch Channels A, B, C, D, F, G, H, L, M, and N Completed Improvements to Polhemcottah tank Do Two culverts of two arches of twelve feet span each in the ninth and tenth miles Completed Eleven Minor Distribution sluices Do Three Irrigation sluices at the head of Branch Channels F, G, and L, and one supply sluice to the Nundoony tank and division sluice in the same nearly completed Completed Tunnel in the 93th furlong for Nagarapady channel Completed

Proceedings of the Madras Government, Public Works Department,
2nd March 1875.

Tinnevely	10,40,480	1,09,590	5,961	9,703	8,45,098	Distribution sluices at 92nd and 89th furlongs in main channel Completed Masonry fall at 86th do do Do Supply sluice to Venkaram tank Do Three tunnels in Branch Channels B, C, and D Do Masonry fall at Razandrapatam, 48th furlong 0 83 Bridge at Vattagoody, 42nd furlong 0 90 Do at Koorokathencherry, 20th furlong 0 99 Supply sluice to Razandrapatam tank at the head of Branch Channel A Completed Do to Koonamungalum tank at the head of Branch Channel B Do Calingulah at 65th furlong 0 08 Ancient and Head works — Estimate Rupees 2,07,506 Earthwork Completed Masonry 0 94 Miscellaneous 0 91 Channels and Works south side of river — Estimate Rupees 1,97,679 Earthwork Completed Masonry 0 98 Miscellaneous 0 97 Channels and Works north side of river — Estimate Rupees 3,73,021 Earthwork Completed Masonry 0 94 Miscellaneous 0 14 Small Channels — Estimate Rupees 29,000 0 99 Do Sluices — Do, 18,600 0 83 General sundries — Do 39,777 0 99 Compensation — Do 40,000 0 86
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* This is the correct expenditure up to 30th Septem

Proceedings of the Madras Government, Public Works Department,
2nd March 1875

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 1874.

District	Name of Project	Particulars of Progress of Investigation
Ganjam	Rooshkoolia Project	Papers with Chief Engineer for Irrigation
Do	Vamasadara River or Chicacole Project	
Godavery	Central Delta do	Papers with Chief Engineer for Irrigation
Do	Unnamalunka do	
Kistna	Surveying and levelling operations	Plans and estimates of irrigation and discharges of Kykalur section with Chief Engineer for Irrigation
Do	Eastern Delta Range	
Do	Western do	The out-door work for other sub-divisions of Eastern Delta Project is nearly done
Tinnevely	Numbiar River Irrigation	Plans and estimates, etc., are under preparation
Do	Improvement and extension of irrigation under the Tamrapoorney and its tributaries	The plans and estimates of Western Bank channel and Nizampatam canal sub-sections are with Chief Engineer for Irrigation. Another section is under revision
Madura	Perryaur Project	Preliminary report is with the Chief Engineer for Irrigation
		Papanasam Reservoir Project held in abeyance
		Has been submitted to Government

No 75

ORDER THEREON, 2nd March 1875, No 597.

IRRIGATION, No 5.
Account

ORDERED that the foregoing statements be forwarded to the Government of India

(True Extract)

(Signed) G. W. WALKER, Colonel, R.E.,

Secretary to Government.

No 76

(DOCKET No 598, dated 2nd March 1875.)
Copy of the above forwarded to the Government of India
(True Extract)

Colonel, R.E.,
Secretary to Government.

Exd S. T. Austin
Spare Copies

15

Read the following papers—

N ^o	From the District Engineer Ganjam 730 Sept 1874
N ^o	From do Godavery 728 Oct 1874
N ^o	From do do 727 do
N ^o	From do do 724 do
N ^o	From do do 713 do
N ^o	From do do 719 do
N ^o	From do do 716 do
N ^o	From do do 727 do
N ^o	From do do 723 do
N ^o	From do do 730 Sept 1874

The above papers
are compiled in the
Office of the Chief Eng
for Irrigation. They shd
come to us for reference.
G. W. Walker

11/12/74

Or thereon. 597

Impairment of
Account

Ordered that
the foregoing statement
be forwarded to the
Government of India

W. 1/12/74

G. M. H.

Docket 2598 of

Copy of the above
forwarded to the S.D.
of India -

To District Engineers concerned
To the Chief Engineer for Impairment
Docket 3-3-75

Docket 3-3-75
with 10 copies

Coll. of 1875, Madras
PUBLIC WORKS.

Mr. J. H. S. (Cm)
Secy. of India

Date:

Recd

Encl

G.O. 2 Mar 1875, No 597

No. 65-76.

Agricultural Works

Statement showing the
progress of ——— from
the ordinary funds &
of the miscellaneous money
with new large Projects
for the quarter ended 30
Sept/74, ordered to be
forwarded to the S.D.
of India —