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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	2512-13	(9) Press
B.P. No.		Mis.
Dated	3-9-	1875.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd September 1875*

Read the following papers —

No 52	From the District Engineer, Ganjam,	dated 30th June 1875
No 53	From do do Godavery,	„ 31st July „
No 54	From do do do	„ 5th Aug „
No 55	From do do Kistna,	„ 28th July „
No 56	From do do do	„ 9th „ „
No 57	From do do Nellore,	„ 14th „ „
No 58	From do do South Arcot,	„ 22nd „ „
No 59	From do do Tanjore,	„ 24th „ „
No 60	From do do Tinnevely,	„ 21st „ „
No 61.	From do do do	„ 5th „ „

Name of Work	Amount of Estimate	Current year's grant	EXPENDITURE		Total Expended	Synopsis: 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.	
Coastal Extension of irrigation from Eastern Delta	14,00,200	1,71,000	66,293	66,293	6,72,884	1 Head Sluice—Estimate Rs 17,890 0 18 Screw shutter and gearing fixed for four vents, and working satisfactorily
						2 Main Duct—Estimate Rs 28,060 0 70 Out of the 6½ miles which compose this canal, 4 miles have been completed to full project section
						3 Coconada Canal—Estimate Rupees 1,86,800— Earth work . . . 0 88 Earth work completed with the exception of raising banks from 24th to 27th miles of the canal Masonry . . . 0 97 The raising of the arches of Chintapelly and Cover Tail Bay Bridge in progress, and raising coping of Medapal lock nearly completed Distribution . . . 0 64 Minor distribution works above Chintapelly lock three-fourths completed
						4 Mundapetta Canal—Estimate Rupees 74,100— Earth work . . . 1 00 Completed Masonry . . . 0 41. Pastelapoddy weir floor lowered and water cushions provided Chodavaram sluice floor laid, work in abeyance during Irrigation season Distribution . . . 0 35 Estimate sanctioned by District Engineer for Distribut on sluices above Thapaswaram lock

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5 Bank Canal—Estimate Rupees 2,33,200—	
Earth work	0 30 Earth work completed to full section from head of canal to Choppellah lock
Masonry	0 35 Choppellah lock completed and gates fixed, coping and pointing lock to be done Choppellah weir piers raised to sufficient height to pass down water Kowlashwaram lock walls raised 2 feet in height
Distribution	Partially done in 11th, 12th, 13th, and 14th miles, fully completed from head of Bank canal (proper) to Kowlashwaram lock
6 Coringa Canal—Estimate Rupees 74,800—	
Earth work	0 51 Completed from Alampur to Vellah lock and 33rd mile to Munjear lock
Masonry	0 73 New upper gates being fixed to Alampur lock, and improved upper culvert shutters gearing, Buttresses to lower wings three-fourths completed
Distribution	0 20 Minor distribution head sluice above Alampur lock, foundations laid and flooring in progress Vellah north and south side channels sluices three-fourths completed and ready for passing drain water, distributing water on Raybudas from the former completed, except one regulating drain
7 Ingeram Canal—Estimate Rupees 28,050—	
Earth work	0 26 Completed for deepening the canal. Banks require to be made up to full height

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the quarter, &c — (Continued)

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Name of Work	Amount of Estimate	Current year grant	EXPENDITURE		Total Expenditure	Summest 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	
						Masonry 0 63 Distribution 0 01 Three minor distribution sluices between head of canal and 27th mile sanctioned and materials under collection for same
						8 <i>Bicasole Drain</i> — Estimate Rupees 65,000— Earth work .. 0 67 Completed to full section Masonry .. 0 77 Completed
						9 <i>Toolhalaga Drain</i> — Estimate Rupees 1,33,100— Earth work 0 66 Completed to full section with the exception of 1½ miles near Velugy where a new cut is required Masonry .. 0 88
						10 <i>Takee Main Drain</i> — Estimate Rupees 2,66,300— Earth work .. 0 27 Drain from 9th mile to end of drain opened out to experimental width Masonry ... 0 90 Takee weir arches turned and screw shutter, and gearing fixed, channel below same excavated to tail into Coringa canal below Alamur weir as a temporary measure Distribution Postponed

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11	Rest-houses — Estimate Rs 10,000	0 95	Jaganadagery and Kotipelly rest-houses completed, out-houses to the same three-fourths completed, Chintapelly rest-house verandah roofing under conversion into Bengal terrace roofing	Estimate Rs 56,800	Rupees 847 has been spent
12	Compensation for lands — Estimate Rs 56,800				
13	Samulcoliah Canal — Estimate Rupees 1,31,200— Earth work .. 0 92 Recovery made as ordered Masonry .. 0 85 Distribution .. 0 97				
14	Bemateram Escape — Estimate Rs 4,200	0 90	Railing on crest fixed		
15	Tools and Plant — Estimate Rupees 86,200				
1	Head Sluice, Main Canal — Estimate Rupees 19,500		Not commenced		
2	Main Canals — Estimate Rupees 49,000— Earth work .. 0 21		Between 2½ and 8 miles all work finished off		
3	Kakaraparru Canal — Estimate Rupees 33,000— Earth work .. 0 35.		From Gostanah head to head of Bank canal (a distance of 7½ miles) excavation of bed finished and removal of banks nearly so		
	Masonry 0 00		Under tunnel in connection with Gostanah head weir finished		
4	Narsapur Canal — Estimate Rupees 2,09,600— Earth work .. 1 00		Finished except excavating tail race to Mogultoor weir which is in progress		
	Masonry .. 0 66		Peravally lock and weir, Itempody lock and weir finished. Kovetam lock finished Mogultoor lock finished except some coping, and weir brought up to level of springing of arch		
Extension of Irrigation from Western Delta		14,10,000	1,64,292	41,721	7,03,904

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the quarter, &c — (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		
5. <i>Bank Canal</i> —Estimate Rupees 1,07,900— Earth work .. 0 98 New head has been finished and all work from head to Doddeputla (22 miles) completed, tail race to surplus weir at 22nd mile completed Masonry . . . 0 31 Surplus weir at 2nd mile finished Siddhantam lock up to 5 feet above floor Koder lock up to 8 feet above floor Koder weir finished except some coping One under tunnel finished Masonries above drains 0 44 6 <i>Yenkiah and Weyaru</i> —Estimate Rupees 11,900— Earth work 0 12 Yellurpad channel finished Alteration of one escape finished Masonry . . . 0 27 One irrigation sluice finished. 7 <i>Undi Canal</i> —Estimate Rupees 1,10,700— Earth work ... 0 78 Finished except tail races to weirs Masonry ... 0 25 Head lock finished except some coping and bridge parapets Distribution . 0 16 Three minor channels, finished Compensation for land Rupees 145 have been spent 8 <i>Attih Canal</i> —Estimate Rupees 86,000— Earth work .. . 0 67 All finished except improvements to one bund Masonry ... 0 82 Golecherla lock and weir finished. Gunnampud lock finished except some coping, and weir finished; surplus weir up to crest of body wall Three under tunnels, 10 sluices, 4 dams finished, several improvements to channels finished and in hand Rahm-gly channel improvements in hand.						

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Compensation for land Rupees 74 have been spent	
9 <i>Gostanadi and Velpur</i> — Estimate Rupees 1,41,060 — Earth work .. 0 58 Five miles of Gostanadi earth work finished, and Velpur canal nearly so for 12 miles from head Masonry .. 0 32 Head lock and weir finished except some coping; weir across Gostanadi up to 5 feet above floor 10 <i>Nakkala Drain</i> — Estimate Rupees 13,200 Not commenced	
11 <i>Gostanadi Outfall and Sluice</i> — Estimate Rupees 94,000 — Earth work .. 0 14 155,575 Cubic yards earth work done Masonry .. Not commenced Minor do .. Do 12 <i>Yenamadura Drain</i> — Estimate Rupees 28,800 — Earth work .. 0 62 167,040 Cubic yards earth work done, nearly all works provided for in estimate finished	
13 <i>Other Drains</i> — Estimate Rupees 28,200 — A — <i>Bundada and Rudiyacodu</i> — Earth work .. 0 70 Improvement to Bundada drain is finished. B — <i>Caza Drain</i> — Earth work .. 0 60 48,476 Cubic yards done C — <i>Buggaceram Drain</i> — Earth work .. Finished D — <i>Minor Drainages</i> — Earth work .. 0 30 23,474 Cubic yards done 14 <i>Drain west of Naisapur Canal</i> — Estimate Rupees 18,320 — Earth work .. 0 83 The whole of excavation according to sections finished, and banks at end have been trimmed and put in order Masonry Finished Compensation for land .. Rupees 679 have been spent	

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the quarter, 3c — (Continued.)

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Name of Work	Amount of Estimate	Current year's grant	EXPENDITURE		Total Expenditure	Statement Account showing the state to which the works have been advanced up to date
			During the quarter	During the current year		
15 Ellore Canal — Estimate Rupees 2,43,700 — 15A Main Canal — Estimate Rupees 53,000 — Earth work ... 0 34 From 15th to 20th miles and in 29th and 30th miles finished according to project sections All work is now done Masonry and earth work } 0 84 Thirteen irrigation sluices, three escapes, and several irrigation channels finished Compensation for land ... Rupees 35 have been spent	RS	RS	RS	RS	RS	
15B Mid Level Channel — Estimate Rupees 64,180 — Earth work . 1 0 Of 15½ miles nearly 15 miles finished, 44,493 cubic yards done on Branch channels Masonry 0 90 One head-slue built, and old one pulled down Six bridges, six drops, one under-tunnel, two regulating bridges, one escape, and seven village sluices finished Compensation for land . Rupees 933 have been spent						
15C Low Level Channel — Estimate Rupees 19,290 — Earth work . 0 85 Finished, and a distribution channel ordered to be charged to it finished Masonry . 0 93 Four drops, one escape, two bridges, four village sluices finished Head-slue and bridge, and drop at Mud-dapuram built and pulled down						

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15D — Pundiodu Drain — Estimate Rupees 59,530 — Earth work 0 94 416,386 Cubic yards done Masonry Finished						
15E — Drain from 9½ miles — Estimate Rupees 24,000 — Earth work . 0 66 165,460 Cubic yards work done on drain from 9½ miles, mid-level channel finished except a little trimming Masonry Finished						
15F — Drainage Diversion — Estimate Rupees 21,700 — Earth work . 0 78 212,787 Cubic yards done, work finished Masonry . 0 76 Finished, except China Nundrakollu sluice						
16 Rest-houses — Estimate Rs 23,200 Five finished						
17 Restoring navigation with Weyaru — Estimate Rupees 72,500 — Earth work Finished Masonry Double lock finished except about 30 running feet of coping, head-slues to mud and low level channels finished						
18 Additional Surplus Weir near the head of the Ellore Canal — Estimate Rupees 14,000 Masonry ... Finished Tools and Plant — Estimate Rupees 1,05,360 —						
Widening Pulleru from Pannuru to Coctaram Lock — Estimate Rs 17,000 Earth work 1 00	1,87,930	15,600	1,084	1,084	1,73,021	
Widening Pulleru from Marriada to Pannuru — Estimate Rupees 31,250 Earth work .. 1 00 Sloping the banks of Masulipatam Canal from 1st to 4th mile — Estimate Rupees 10,100 Earth work .. 0 75 Enlarging Masulipatam Canal from 4th to 12½ mile — Estimate Rs 65,000 Earth work 0 97	Improving Masulipatam Section of the Kistna Delta.					

Statement showing the Progress of Agricultural Works under execution from the Extraordinary Grant for the quarter, &c — (Continued)

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		
	RS.	RS.	RS.	RS.	RS.	
Widening the head of Malsipattam Canal	1,13,530	20,300	4,289	4,289	91,558	Enlarging Pulleru from Kunkupaud Lock to Marruadu — Estimate Rupees 27,900— Earth work 0 99 Constructing Regulating Sluice across Pulleru at Pammaru — Estimate Rupees 7,000— Masonry 1 00 Reconstructing a Bridge on Junction Canal near Pammaru — Estimate Rupees 1,350— Masonry 1 00 Constructing a Calingulah at Weyaru — Estimate Rupees 5,600— Masonry 0 98 Constructing Iron Punt — Estimate Rupees 6,820— Iron 1 00 Minor Branches and Sluices — Estimate Rupees 5,000— Masonry 0 10 Compensation — Estimate Rupees 5,000 { Earth work 1 00 Masonry 0 53 Revetment 0 26 Roads 0 92 Earth work 0 99 All masonry works completed long ago Head-sluice and Bridge — Estimate Rupees 19,280— Masonry 0 95
Enlarging the South Main Canal from Seetanagram to Dugurala	2,76,404	8,000	7,846	7,846	2,77,282	
Enlargement and improvement of Ryes' canal and its branches	4,14,193	27,972	7,240	7,240	2,98,233	

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Excavating Canal — Estimate Rupees 2,79,880—						Earth work 0 77
Enlarging and improving Ryes' Channel from the 2nd mile to Pulleru near Marruadu — Estimate Rupees 58,180—						Earth work 0 76
Enlarging and improving Gudirada Branch of Ryes' Channel — Estimate Rupees 26,800—						Earth work 0 09 Cancelled.
Constructing three accommodation bridges on Ryes' Branch Channel — Estimate Rupees 3,780—						Masonry 0 66
Constructing Iron Punt — Estimate Rupees 7,840—						Iron 0 75
Minor Branches and Sluices — Estimate Rupees 5,000—						Masonry 0 02
Constructing two accommodation bridges on Ryes' Canal — Estimate Rupees 5,660 — Materials partly collected						Constructing an accommodation bridge across Pulleru near Marruadu — Estimate Rupees 3,710 — Materials partly collected
Constructing two Calingulahs and Bridges on Gudirada Branch of Ryes' Canal — Estimate Rupees 2,960 — Work stopped						
Work completed	1,75,670					
Do but accounts not yet closed	1,699					
	1,73,971					
	8,027					
Extending Commamore channel	1,95,770					
Deduct recovery during the quarter	..	..	..	..	..	
Constructing a bridge across Commamore channel at Kolakalors	11,000	..	..	..	..	

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Name of Work	Amount of Estimate	EXPENDITURE			Total Expenditure	Snoout Account showing the state to which the works have been advanced up to date
		Current year's grant	During the quarter	During the current year		
<i>Tayon</i> Regulators for the principal branches of the Vennaur river	2,05,106	RS	RS	RS	2,03,079	One masonry fall on Main Channel at station 54 A Completed One supply sluice in do at do 69 Do One culvert in do at do 29 but rough stone flooring Completed One division sluice in do at do 122 Completed One calingulah in do at do 69 0 47 Three minor distribution sluices on Branch Channel A Completed One calingulah on Branch Channel C In progress One minor distribution sluice on Main Channel at station 61 Do
<i>Amount debitable to Local Funds</i> Pindaryaur bridge Vellayaur do	7,950 6,005	RS	RS	RS	18,010	<i>Dam across the Vennaur at the Vettaur Head</i> — Estimate Rupees 95,676 — <i>Vennaur Sluices</i> Brick in chunam 1 00 Stone in do 1 00 Shutters 1 00 } Work completed Earth work 1 00 Miscellaneous 1 00 <i>Vettaur Sluices.</i> Brick in chunam 1 00 Stone in do 1 00 } Work completed Shutters 1 00 } with the exception Earth work 1 00 } of fixing the Miscellaneous 1 00 } palings <i>Dam across the Pamanyaur and Corayur Heads</i> — Estimate Rupees 63,775 — Brick in chunam 0 96 Stone in do 1 00 Shutters 0 66 } Work completed Earth work 0 90

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Dam across the Pandaryaur and Vellayaur — Estimate Rupees 57,610	
<i>Pandaryaur Dam</i>	
Brick in chunam	1 00
Cut stone in do	1 00
Shutters	1 00
Earth work	1 00
Miscellaneous	1 00
<i>Vellayaur Dam</i>	
Brick in chunam	1 00
Cut stone in do	1 00
Shutters	0 95
Earth work	1 00
Miscellaneous	0 97
Expenditure	0 92
1,106	
<i>Annut and Head works — Estimate Rupees 2,07,506</i>	
Earth work	Completed.
Masonry	0 99
Miscellaneous	0 99
<i>Channels and Works south side of river — Estimate Rupees 1,97,679</i>	
Earth work	Completed.
Masonry	0 99
Miscellaneous	0 98
<i>Channels and Works north side of river — Estimate Rupees 3,73,020</i>	
Earth work	Completed
Masonry	0 97
Miscellaneous	0 37.
<i>Small Channels — Estimate Rupees 29,000</i>	
Do Sluces — Do	18,600
General Sundries — Do	40,937
Compensation — Do	40,000
1,205	
<i>Timnevelly</i>	
10,40,480	
<i>Streevigundam Annut</i>	
10,304	
40,000	
10,304	
8,97,570	

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3rd September 1875.

Abstract of the Total Grants and Expenditure for the Works in each District

Districts	Amount of grants for the year	Expenditure to 30th June 1875
Godavery	RS 3,35,292	RS 1,08,015
Kistna ...	81,872	25,488
Nellore ..	18,500	2,082
Tanjore .	.	.
Do under Local Funds ..	20,000	6,489
South Arcot ...	40,000	10,304
Tinnevely .	.	.
Total .	4,95,664	1,52,378

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 1875

Districts.	Name of Project	Particulars of Progress of Investigation.
Ganjam	Rooshkoolia Project	Papers with Chief Engineer for Irrigation
Godavery	Vamasadara river or Chica- cole Project	
Kistna ...	Central Delta Project ... Unnamalunka do. .	
Do. ...	Surveying and levelling operations	Plans and estimates of irrigation and drainage of Kykalur section with Chief Engineer for Irrigation
Do. ...	Eastern Delta Project ..	Plans and estimates of 5th division of Eastern Delta with Chief Engi- neer for Irrigation The out-door work for other division of Eastern Delta Project is nearly done, plans and estimates, &c, are under preparation Revised estimate for Inampoody under tunnel was sanctioned in G O, No 1,496, dated 31st May 1875
Madura ..	Western Delta Project ..	The plans and estimates of West Bank Channel, Nivampatam Canal sub-sec- tion have been sanctioned The other sections are under revision.
Do. ...	Perryaur Project ..	With Government

FORT ST GEORGE,
1st September 1875.

(Signed) JOHN MULLINS, Lieut -Colonel, R E,
Chief Engineer for Irrigation.

Proceedings of the Madras Government, Public Works Department,
3rd September 1875.

No 62

ORDER THEREON, 3rd September 1875, No. 2,512.

IRRIGATION, No 5.
Account

ORDERED that the foregoing State-
ments be forwarded to the Government of
India.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

No. 63

(DOCKET No. 2,513, dated 3rd September 1875.)

Copy of the above forwarded to the Government of India.

(True Extract.)

Major-General, R E
Secretary to Government

Exd S T Austin
Spare Copies

P. W. 1875 Dept.
No. 5757

From

The Chief Engr.
for Irrigation

Dated 1 Sept
Recd. 7 Sept 1875.

No. - 984

Statement showing
the Progress of Agric.
Works under execution
from the Extraordinary
Grant for the Yr ended
30 June / 75.

No 52260

No 2572

Under date 3 Sept/75.

Irrigation
Account

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

1/9
C. W. R.

Docket No 2573 of 3 Sept/75.

Copy of the above
to the District Engr. concerned & forwarded to the Govt of
- - - - - for irrigation & Indus

65
8
30.
20

1059. Refd. - 80-9-75

sc drop 2.
20-9-75

* Samples - 6
Sodavay - 8
Hishik - 95
Vellor
South Arcot 5
Saur
Cannals - 4

Let it be always
understood in
future that
these Returns
are to be authen-
ticated by some
printed signa-
ture. That of
the Ch. Insp. for
Immigration, or
whose Office they
are presented
to be completed
seems necessary.

3-9-25

Ms 52260

5757

Govt. of India
PUBLIC WORKS.

To
Mr. Inps. General
Subj. India

9. Sept. 25/2
Sd/-
H. J. India 25/2
Nos. 52-62
63

Forwarding copy of
in statements showing
the Progress of Agricultural
Works under execution
from the Extraordinary
Grant for the quarter
ended 30th June 1915

Statements showing the
Progress of Agricultural
Works under execution from
the Extraordinary Grant
for the quarter ended 30th
June 1915. - Ordered that
the — be forwarded
to the Govt. of India.