M.R.O. 1—77,000—8-6-37.

(1) Number of pages 60

(2) Date of repair 24-3-42

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 755 Press / Mis.

259-62

Dated 13 · 3 1867.

Not to be folded or roughly handled

Read the following papers:—

No. 259. From the Superintending Engineer, 4th Division.
(Here enter 2nd March 1867, No. 4,765.)

No. 260. Do. do. do. 7th Division.
(Here enter 25th February 1867, No. 237.)

No. 261. Do. do. do. 1st Division.
(Here enter 5th March 1867, No. 273.)

No. 262. ORDER THEREON, 13th March 1867, No. 755.

ACCOUNT, No. 38.

1. With the first of the letters above recorded the Superintending Engineer of the 4th Division submits his final Statements of Savings and Demands for the current year.

2. The Governor in Council sanctions the following transfers of funds:—

District.	Work.	Amount not required.	District.	Work.	Amount granted.
From	*New Works.*	RS.	*To*	*New Works.*	RS.
Madras ...	Madras Water works. Estimate Rupees 6,11,759, sanctioned by the Government of India in letter No. 626 C, dated 19th July 1866	6,650	Presidency ...	Making certain alterations in the criminal side of the Grand Jail and erecting a cart shed and guard-room for the use of the Commissariat Stores. Budget Item No. 32	6,650
Do. ...	Do. do. do.	2,920			
Godavery ...	Central Jail at Rajahmundry. Budget Item No. 63	4,000			
Ganjam ...	Road from Aska to Ganjam. Budget Item No. 108	284			
Malabar ...	Cheroopoya and Nellumboor bridges. Budget Item No. 151	2,000	Do. ...	Constructing a Soojee Mill and Bakery with quarters for a Staff Serjeant, cart and bullock sheds, well, &c. Revised Estimate Rs. 39,695. Budget Item No. 33	9,850
Do. ...	Karkoor Ghaut ; earth-work, &c., below. Budget Item No. 133	646			
		9,850			
Ganjam ...	Church at Berhampore. Estimate Rupees 9,266, sanctioned in G. O. No. 135, dated 15th Jan. 1867	210	Madras ...	Constructing a 33-feet chimney to the engine house at Guindy Park. Sanctioned on emergency	210
Godavery ...	Raising the Godavery Anicut. Budget Item No. 80	5,000	Presidency ...	Making certain alterations and improvements to the Arrack and Porter godowns in the Commissary General's Office. Estimate Rs. 35,400, sanctioned in G. O. No. 63, dated 9th January 1867	*5,000
Do. ...	Do. do.	3,000	Do. ...	Constructing a filtering cistern at the Seven Wells. Sanctioned on emergency	*3,000
Do. ...	Do. do.	23			
Ganjam ...	Chilka Canal. Estimate Rupees 1,18,200, sanctioned in G. O. No. 2,042, dated 28th June 1866. Funds allotted by the Government of India in letter No. 680 A, dated 27th July 1866 ...	5,577	Do. ...	Drainage of Perambore Lines. Estimate Rupees 16,000, sanctioned in G. O. No. 2,795, dated 3rd September 1866	*5,600
		5,600			
Do. ...	Do. do.	3,000	Do. ...	Demolition of the Black Town Wall. Sanctioned on emergency	*3,000
Do. ...	Do. do.	1,477	Do. ...	Padding two of the cells at the Lunatic Asylum. Sanctioned on emergency	*1,477
Do. ...	Do. do.	4,800	Do. ...	Fitting up Duff's Cooking ranges and making alterations in the General Hospital. Sanctioned on emergency	*4,800
Do. ...	Do. do.	2,750	Do. ...	Constructing a Dead-house for Europeans and Natives at the General Hospital. Sanctioned on emergency	*2,750
Do. ...	Do. do.	1,743			
Godavery ...	Channel to irrigate lands in Yendamur. Estimate Rupees 8,450, sanctioned in G. O. No. 3,992, dated 19th December 1866. Funds allotted by the Government of India in letter No. 181A, dated 13th February 1867	1,097	Do. ...	Constructing a Cook-house with Godowns for the European and Native patients in the Civil side of the General Hospital. Sanctioned on emergency	*2,840
		2,840			
Do. ...	Do. do.	2,353	Do. ...	Extending the Store-shed at the Public Works Stores in prolongation of the present Smithy and Carpenters' shops. Estimate Rs. 15,940, sanctioned in G. O. No. 523, dated 21st February 1867	*3,000
Malabar ...	Karkoor Ghaut ; earth-work, &c., below. Budget Item No. 133	647			
		3,000			

* Subject to the approval of the Government of India.

District.	Work.	Amount not required.	District.	Amount granted.
From	*New Works.*—(Concluded.)	Rs.	*To*	Rs.
Malabar ...	Karkoor Ghaut; earth-work, &c., below, Budget Item No. 133	2,000	Presidency ...	* 2,000
Do. ...	Do. do.	107	Do. ...	* 2,430
	Repairs.			
Godavery ...	Agricultural	2,000	Madras ...	* 1,042
Ganjam ...	Do.	323		
		2,430		
Do. ...	Do.	17	Do. ...	* 705
Godavery ...	Miscellaneous Public Improvement	800		
Malabar ...				
Wynaad ...	Communications	225		
		1,042		
Vizagapatam...	Military	705	Malabar ...	

* Subject to the approval of the Government of India.

3. The Government are at present unable to provide the further grants which are required for the undermentioned new works, but they will endeavour to meet the demands of the Superintending Engineer later in the year:—

	Rs.
Presidency.—Making Pug-mills to be attached to the Vepery Lines' privy. Estimate Rupees 265. Sanctioned in G. O. No. 545, dated 25th February 1867	265
Putting up hand-pump at the Powder Mills. Estimate Rupees 320. Sanctioned in G. O. No. 201, dated 21st January 1867...	86
Providing better ventilation and effecting improvements for the preservation of cleanliness in the privies and urinals in use with the Arsenal Establishment in the Fort. Estimate Rupees 580. Sanctioned in G. O. No. 1,957, dated 22nd June 1866	483
Erecting corrugated zinc shed to protect the Armstrong guns on the sea-face in Fort Saint George. Estimate Rs. 5,160. Sanctioned in G. O. No. 3,907, dated 11th December 1866	310
Constructing a latrine for Native Artificers, and making alterations to the privies for East Indian Artificers and Apprentices of the Gun Carriage Manufactory. Estimate Rupees 2,190. Sanctioned in G. O. No. 2,860, dated 7th September 1866	260
Constructing drains and reservoirs, &c., in Saint George Wallajah Berm (south). Estimate Rupees 1,550. Sanctioned in G. O. No. 2,864, dated 8th September 1866	1,550
Altering twelve apartments of the men's latrine attached to the Family Barracks in Fort Saint George, to fit them for the reception of self-acting earth closets. Estimate Rupees 320. Sanctioned in G. O. No. 189, dated 19th January 1867 ...	320
Minor New Works under "Military"...	391
Protecting three stained windows with brass wire net, &c., at Saint George's Cathedral. Estimate Rupees 425. Sanctioned in G. O. No. 3,803, dated 29th November 1866	425
Minor New Works under "Civil Buildings"	150
Madras.—Supplying new punkahs and altering existing ones in the north and other Barracks at Saint Thomas' Mount. Estimate Rupees 1,452. Sanctioned in G. O. No. 178, dated 19th January 1867	549
Constructing bath-room, with a separate bath-urinal to each of the small end-rooms in the back verandah of Nos. 1, 2, 3, and 4 Hospital at Palaveram. Estimate Rupees 790. Sanctioned in G. O. No. 1,044, dated 5th April 1866	868
Removing the enclosed verandah, improving the ventilation, &c., of the bath-room of the east tiled Barracks at Saint Thomas' Mount. Estimate Rupees 1,830. Sanctioned in G. O. No. 3,742, dated 26th November 1866	2,049
Alterations and improvements to the North Barracks at Saint Thomas' Mount. Estimate Rupees 750. Sanctioned in G. O. No. 3,742, dated 26th November 1866...	750
Do. South do. do.	750
Erecting screen walls and fitting teakwood gratings in the bath-room of the Bombproof Barracks at do. Estimate Rupees 280. Sanctioned in do....	280
Do. do. West tiled Barracks at do. Estimate Rupees 200, Sanctioned in do....	200

Mad 2nd March 1867

	Rs.
Improving the ground ventilation and raising the floor of the Solitary Cells in do. Estimate Rupees 85. Sanctioned in do.	88
Constructing porch to Powder Magazine in Horse Artillery Lines at the Mount. Estimate Rupees 650. Sanctioned on emergency	650
Constructing ventilators in all the privies in use by the men and women in Barracks, &c., at Poonamallee. Estimate Rupees 450. Sanctioned in G. O. No. 2,817, dated 4th September 1866	450
Adding verandahs to the cook-rooms attached to the Family Quarters in the Begum's Bungalow compound at the Mount. Estimate Rupees 300. Sanctioned in G. O. No. 2,874, dated 8th September 1866	300
Painting boards for all the Military and Civil buildings at do. Estimate Rupees 830. Sanctioned in G. O. No. 2,360 dated 26th July 1866	830
Taking up and levelling stone Racer and fixing a new iron one at the Range Practice Ground at do. Estimate Rupees 440. Sanctioned in G. Os. No. 526, dated 21st February 1867 ...	440
Minor New Works under "Military"	590
Guindy Water Supply Project. Estimate Rupees 17,986. Sanctioned in G. O. Nos. 3,576 and 3,426, dated 4th December 1863 and 30th November 1864...	94
Additions and alterations to the engine house at Guindy Park. Sanctioned on emergency	1,700
Working the engine at do. do.	250
Minor New Works under "Civil Buildings"	200
North Arcot.—Do. do.	275

Demolition of the Black Town Wall.

4. The item noted in the margin is entered under the head "Military." It should be classed under "Miscellaneous Public Improvement."

5. As the allotments required for the twelfth and thirteenth of the works entered at the foot of paragraph 3 of these Proceedings exceed the sanctioned estimates by more than 5 per cent., the Superintending Engineer should submit full explanation of the causes of excess in each case.

6. The Government note that estimates have not yet been furnished for several of the works which are included in Part III. of the Superintending Engineer's Returns.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 1st Division.
" do. 4th do.
To Captain Kennedy. 7th do.
To the Controller of Public Works Accounts.
" Accountant General.

Exd. S. T. Augustin.

No. 4765. 7

From,
Colonel A. J. M. Boileau R. E.
Superintending Engineer 4th D.

To,
Colonel C. A. Orr R. E.
Secretary to Government P.W.D.
Fort Saint George

Sir,

No. 32 d/8th Feb.y 1867
" 47 d/1st March "

With reference to the orders as per margin, I have the honor to submit the final Statement of Savings and Demands, prepared in accordance with the instructions given in para 10 of the Order of Government No. 432 dated 14th February 1867.

2. It will be observed that the Savings amount to only Rupees 9570 while the Demands amount to a very large sum of Rupees 69,602 leaving a sum of Rupees 60032 now to be provided, which I trust the Government will grant from any source at their disposal.—

I have the honor to be
Sir
Your Most Obedient Servant

A Boileau Colonel R.E.
Supg. Engr. 4th D.

Supg. Engr's Office 4th D.
Madras 2nd March 1867

Imperial Funds

1.

New. Works

Statement shewing the sums allotted for Public Works in the 4th Division which are not likely to be expended during the current year.

District	Work	Amount of Estimate	Number and date of the Order sanctioning the Estimate	Current Year's allotment	Expenditure up to 30th April 1866	Expenditure up to 31st December 1866.	Probable Expenditure up to 30th April 1867	
	Miscellaneous Public Improvements.							
Madras	Madras Water Works	611759	G.O. dt. 1102 d/11th April 1866 & 1237 d/27 July 1866 & 3298 d/16th Oct. 1866.	90370 110800	"	12147	68653	9570
	Total							9570

Supg. Engineer's Office 4th Divn
Madras 2nd March 1867.

A. H. Allen Colonel &c.
Supg. Engineer 4th Divn.

Dr. 1867 Mar 8
Chas. Stewart Hensman
No 783
Chas. Collinson Esqre
Chief Secretary
to Government
Public Works Dept
Madras

dated 2nd March 1867
Rec'd 4th do
Answd. 4th

Collinson Hensman
Stewart
Mar 1867
Public Works
Madras
Imperial Funds
Statement shewing the sums allotted for Public Works in the 4th Division which are not likely to be expended during the current year.
Mar 1867
Public Works
Madras

No 259
Rec'd 7th March 1867

Statement shewing the sums allotted for Public Works in the 4th Division which are not likely to be expended during the Current year.—

Imperial Funds.

II

Repairs

District	Budget Head	Amount of Estimate	Number and date of Order sanctioning the Estimate	Current year's allotment.	Probable Expenditure up to 31st March 1867	Amount not required	Remarks.
1	2	3	4	5	6	7	8
	None.						

Supt. Engineer's Office 4th Div.
Madras
2nd March 1867.

A. Nuttall Capt. R.E.
Supt. Engineer 4th Div.

From

The Insp.r Genl of Dw.

To

The Secretary to Govt
D.O.W.

Dated 23 March 1867
Recd

II

Statement shewing the sums allotted for Public works in the 4th Dw which are not likely to be expended during the current year.

Pr. 783/67

Pros: 13 March 1867 Ln 259

Inspection

Statement shewing the Works ordered to be undertaken

District	Amount of Estimate	No. & date of order directing the Execution of the Work				
Military						
Residence & Making Dep. Mills to be attached to the Defence line Quarry	265.	G.O. No 525 of 25th July 67	"	265.	Newport	
Making Certain alterations and Improvements to the Arsenal & Water Godowns in the form= ation Company General's Office	35,100	G.O. 65 of Aug 1867 & 8/20 June 1867	10000	5000		
Putting up Hand pump at the Powder Mills	320.	G.O. No 201 of 21 May 1867	159.	86.		
Providing better Ventilation and Improvements for the Preser= vation of cleanliness in Urinals in use with the Arsenal Lobby in the Fort.	580.	G.O. No 1967 of 22 June 1866.	"	1483	Newport	
Constructing filtering System at the 7 Wells.	Ensign.	G.O. No 2000 of 25 June 1866.	"	3000	Do Do Do	
Making Certain alterations in the Criminal side of the Ground Jail & Erecting a Cart shed & Guard Rooms for the use of the Commissariat Store	1981.0	G.O. No 1091 of 10 April 1866.	9500	6650.	Bnd: Stores No 32	
Erecting Corrugated Iron sheds to protect the Armstrong Guns on the Sea face in Fort St. George	5760	G.O. No 2307 of 11 Dec 1866.	2700	310.	Vide under Ground	
				15794		

Barracks	Constructing a Latrine for Native Artificers & also making alterations to the other Privies for East Indian Artificers & Apprentices of the Gun Carriage Manufactory	2190	G.O.R. No 2866 d/ 7. Sept. 1866.	1930	260	15794
	Drainage of Lower Barracks at Perambore	16000	G.O.R. No 2795 d/ 3. Sep. 1866.	"	5000	
	Lines					
	Constructing drains Reservoirs &c. to be provided in the Sept. Wallajah Baron. (South)	1550	G.O.R. No 2864 d/ 8. Sept. 1866.	"	1550.	
	Demolition of the Black Town Wall	Emergent	G.O.R. No 3055 d/ 24 Sep. 1866	"	3000.	
	Altering 12 Apartments of the Native Barracks in the Fort St. George & fit them for the reception of the Self acting earth closets	320.	G.O.R. No. 1894. 19. Dec. 1867.	"	320.	
	Constructing a Lodge Mill. and Bakery with quarters for Staff Sergt. Cattle and Workshops, mill &c.	39695	G.O.R. No 1754 d/ 4 June 1866 & No. 3328 d/ 18 Oct. 1866. No. 695 dated 4 Aug. 66	154.00	1550	Budget Item in Grant of the current year Estimate 4072. 9 22/12 fit.
	Construction Quarters for Married Staff Serjeant at the Bakery					
	— do — Out houses to do	R. 2640. 946				
		Down 3555				28024

				28024 ~~26424~~	
	1st fwd. 3555-11-				
	Constructing Cartsheds attached to the Bakery 980--				
	Bullock shed to do 3920--				
	Sinking a 10 feet Well 360--				
	Cutting a ditch around the Bakery & planting dwarf aloe over the Embankment 480--	9295	Engineer		
	Minor New Works under Residency ~~District~~			8350.	Estimate submitted to Government in New Works No 4695 d/ 28th January 86 Rs 7577 marked for Commd 3a
				391.	M.E.W.
Madras.	Providing the punkahs of the North Barrack & the Invalid with Bengal Canvas fringes 160--				Supplying new punkah ropes and altering punkah gear in the North & East Barracks at St Thomas Mount
	do do of South Barrack do do 325--				
	do do in the Centre portion of the Boundary Barrack in the three Artillery lines at Ivory with Bengal Canvas fringes 135--				
	Cr over 620--			~~35465~~ 36765	

Madras.		Brot. forwd. 620				367.65 ~~27.165~~	
	Supplying new Punkahs with fringes of double Canvass in Bengal pattern to Shot tiled Barracks in the Artillery lines at Mount	600					
	Removing old Punkahs & altering & supplying new ones brought from Arcot to the Verandah of Comb. wof barracks in the Artillery lines at Mount	232	1452	G.O. No. 1784 19th January 1867	"	549	Newly erected
	Constructing Bathrooms with a separate Bath & Urinal to each of the small end rooms in the back Verandah of Nos. 1, 2, 3 & 4 Hospital at Palaveram	190		G.O. No. 1044 dd 5th April 1866	"	668	Newly erected This is in excess of the amount of Estimate first sanctioned by Govt.
	Removing the enclosed Verandahs improving the Ventilation and Converting every alternate Window into doors &c. to the Bathrooms of Flat tiled Barracks at St. Thomas's Mount	1830		G.O. No. 5742 dd 26th Nov 1866	"	2049	Newly erected do do
						~~40651~~ 40,231.	

				40231 ~~40631~~		
Converting every other Window into a door in rear and fronted Ventilator in front of Supplying Gratings to the South Barracks Amount	750.	C.O. No 3742. d/26th Nov 1866.	"	750	N York	(1)
Converting every other Window into a door in rear and fronted ventilator in front of Supplying Gratings to the North Barracks Amount	750.	do do	"	750	N York	(2)
Constructing Screen Wall and [illegible] all wood Gratings to Bombs of Barracks Bath room. Amount	280	do do	"	280.	N York	(3)
Opening out fronted Ventilators and raising the Floor of Prison room, bed in the Solitary Cells in Horse Artillery Lines Amount	185	do do	"	488	N York - 3 Reps	(4)
Constructing Screen wall and Gratings to Westlited Barracks bath room in Horse Artillery Lines Amount	200	C.O. No do do	"	200	N York	(2 1/2)
				~~12699~~ 42299		

					42292 ~~42,699~~	
Constructing Porch to Powder Magazine in Horse Artillery Lines at the Mount	650	Estimate		"	650.	Norwich
Constructing Ventilators in all the Privies in use by the Men and Women in Barracks &c. at the Mount	450.	G.O. No. 2514 d/ 4 Sep. 1866	✓	"	450	Norwich
Adding Verandahs to the Cook-rooms attached to the Family Quarters in Regts Bungalow Compound at the Mount	300.	G.O. No. 2874 d/ 8. Sep. 1866.	✓	"	300.	New York
Painting Boards for all the Military & Civil Buildings at the Mount	830	G.O. No. 2360 d/ 26. July 1866.	✓	"	830.	New York
Taking up & levelling Stone Floor and fixing a new Stone at the Range Practice ground at St. Thomas' Mount	440	G.O. No. 526. d/ 21. Feby 1867.	✓	"	440.	New York
Minor New Works in the Madras District	"	"		"	590.	New York
		Total	Military		~~45,959~~ 45559	

Civil Buildings

Residency Building 2 of the Cells at the Lunatic Asylum	Emergent	G.O. No 181, 1. d/ 12 June 1866.	"	1477.	No Estimate
Altering Contonments to Duffs kitchen range and making trifling alterations at the General Hospital	Emergent	G.O. No 2714 d/ 28 Augt. 1866.	"	1800.	— Do —
Protecting 3 Stained Windows with Brass Wire net Qfa at Saint Georges Cathedral	425	G.O. No 3803 d/ 29 Nov 1866.	"	425	Not Rec'd
Constructing a Dead House for Europeans Natives at the General Hospital	Emergent	G.O. No 2714 d/ 28 Augt. 1866	"	2950.	No Estimate
Constructing a Lockhouse with Godowns for the European and Native patients of Civil side at General Hospital	do	do do	"	2840. 1743 1097	Do
Extending the Store shed at the Public Works Stores in prolongation of the present Smithy and Carpenters shops.	15940	G.O. No. 523 d/ 21 Feby 1867	"	3000	Not Rec'd
Asphalting the Cooly floor of the Custom House Yard & Shed	16000	G.O. No. 4086 d/ 22 Decr 1866	"	2000	Do —
				17292.	

Resident Engr	Minor New Works under C.E.	"	"	9:1	17.292	
					160.	M. & C.
Madras	Guindy Water Project	17986	G.O. 19 of 1866.	1640.	1136	Rev. 1042
	Additions and alterations to Engine House at Guindy Water Project	17986	G.O. 20 of 1866.			
		3426	G.O. 21 of 1866.			
		4430	G.O. 57 of 1866.			
		4430	G.O. 163 of 1866.			
		4430	G.O. 64 of 1867.			
			Emergent.	"	1700	
	Constructing 33 feet Chimney to the Engine House at Guindy Park	"	do	"	210.	Rs 200 to be recovered
	Working Guindy Engine at do	"	do	"	250	
	Constructing new Cemetery for the Roman Catholics Cemetery at	2430	G.O. No 2910	"	2430	New work.
		2430	1/12 Dep 1866.			
		2430	3125 & 81 Estn.			
	Mount	1864.				
	Minor New Works under C.E. Buildings	"	"	—	200.	M. & C.
North Arcot	Do	Do	"	"	245.	
					24,30 / 107 / 2323	
					340 / 323 / 817	
			Total	Civil	23643.	
					1042	

Agricultural			
None	〃	〃	〃
Communication			
None.	〃	〃	〃
Miscellaneous Pub: Impt			
None.	〃	〃	〃
Grand Total			69.202 ~~69.602~~

Supt. Engrs Office 4th Divn
Madras. 2d February 1867

H Hall Colonel RE
Supt. Engineer 4th Division

& Funds.

II

by Government out of which no Funds or Funds in part only have been allotted.

e of Amount Further ection (if any) Transferred his already allotted Current year	Remarks

Imperial Funds.

IV

Statement shewing the repairs ordered to be undertaken by Government, but for which no funds or funds in part only, have been allotted.—

District	Nature of Repairs	Estimate	Number and date of Order directing the execution of the Repairs.	Amount (if any) already allotted.	Further grant required in Current Year.	Remarks or References to orders allotting Funds.—
	None.					

Supt Engr's Office 4th Div.
Madras
2nd March 1867.

A H Allen Lt R.E.
Supt Engineer 4th Div.

12

Chinna Ghaddapa Expt. Works

Ry

Ry Levy Reports & Plans

Pcls 2 & 3 Dwd 1867

III

Following Memo
the undermentioned Reports
have been submitted
for Approval and
Funds in part
only have been allotted

P.W. 783/67

Mem. 13 Mch 67 & 239

From

The Staff Engr 1st Dist

To

The Secretary to Govt

D.P.W.

Dated 2nd
Rec'd 3 March 1867.

IV

Statement shewing the repairs ordered to be undertaken by Govt last for which no funds or funds in part have been only allotted.

P.W. 783/67

Proc 13th March 67 No 259

Despatch from Chief Engineer
Canals Commissioners
Office Madras 15th
No 1262 of 1867

From

Lieutenant Colonel A. Cotton R.E.
Chief Engineer & Secretary to Government P.W.D.

To

The Secretary to Government
Public Department
Fort St. George

Dated Madras 15th March 1867

Sir,

I have the honor to forward for the information of Government a statement of proposals for expenditure on Irrigation works in the Malabar District, which have been submitted for the consideration of Government by the Executive Engineer in charge of that division, and to request that the sanction of Government may be accorded to the following proposals.

Proposals

1	Cauvery Chittur Canal	Construction of Sluices	1500	2547
2		Do Cauvery		
3		Clearing out Channel	2600	210
4		Excavation		
5	Cauvery Kattalai Channel	Repairs of Slopes	19976	3240
6		Repairs of Sluices	31000	40000
7		Excavation		
8	Vaigai Periyar Irrigation	Repairs of Sluices	4179	705
9	Cauvery Kattalai Channel	Excavation & irrigation	8450	3450
10		Channels in Zemindaries		
11	Cauvery Kattalai Channel	Repairs of Sluices	22350	2000
12		Do Do	6000	800
				54136

Despatch from Chief Engineer
Canals Commissioners
Office Madras 15th
No 1262 of 1867

From

Lieutenant Colonel A. Cotton R.E.
Chief Engineer & Secretary to Government P.W.D.

To

The Secretary to Government
Public Department
Fort St. George

Dated Madras 15th March 1867

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6		Repairs of Sluices	31000	40000
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8	Vaigai Periyar Irrigation	Repairs of Sluices	4179	705
9	Cauvery Kattalai Channel	Excavation & irrigation	8450	3450
10		Channels in Zemindaries		
11	Cauvery Kattalai Channel	Repairs of Sluices	22350	2000
12		Do Do	6000	800
				54136

Despatch from Chief Engineer
Canals Commissioners
Office Madras 15th
No 1262 of 1867

From

Lieutenant Colonel A. Cotton R.E.
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To

The Secretary to Government
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5	Cauvery Kattalai Channel	Repairs of Slopes	19976	3240
6		Repairs of Sluices	31000	40000
7		Excavation		
8	Vaigai Periyar Irrigation	Repairs of Sluices	4179	705
9	Cauvery Kattalai Channel	Excavation & irrigation	8450	3450
10		Channels in Zemindaries		
11	Cauvery Kattalai Channel	Repairs of Sluices	22350	2000
12		Do Do	6000	800
				54136

Dated 1867 Despatch
From The Secretary to Govt
To The Supg. Engineer
Dated 26th Feby 1867
Received 4th March 1867

No 237

Reports Savings on allotments in the Malabar District

No 260

2753. 13th March 67

2 I think that the Sub Engineer cannot explain any further answers on the Head of the Amount within the current official year: and therefore need not remain any longer for this Civil Command & shall return since duelly in reply to G.O. No. 545. 25 Dec. 66

I have &c

J. Thuillier Lt Col
Chief Engineer Dir

No 261

11th March 67.

Rec. 6th March 67
No 842
From
The Acting Engineer
Dir

To The Secy to Govt Pub Wks

Dated 5 March 1867
Despd —
Rec'd " —

Encl 2 - Pp. 275.

Reports that some officers cannot spend their allotments in full for the year.

No 753=13th March 67

Imperial Fund.
New Works.

Statement shewing the sums allotted for Public Works in the 1st Div., which are not likely to be expended during the current year.

Work.	Amount of Estimate.	No. & date of Order sanctioning the Estimate	Current year's allotment.	Expenditure up to the 31st Dec. 1866.	Expenditure up to 31st January 1867.	Probable expenditure up to 31st March 1867.	Amount not required.
Civil Buildings.							
Gaujam — Church at Gautam House	9216	No. 2[illegible] 186[illegible] of 15th Aug. 66	2000	5079	1910	2390	210
Communications.							
— " — Chilka Canal work.	118000	No. 2[illegible] 2242 of 28th June 66	39582	0	4336	12336	27246
— " — Road from Chilka to Gaujam	62700	Do. No. 2306 of 12th July 66	1500	Vide work awaiting sanction and detailed in Estimate.	590	616	1216	284
Civil Buildings.							
Ganjam. Central Jail at Russellkonda	208000	No. 2463 of 29th Aug. 66	31000	Vide do.	16043	2369	7000	4000
Agriculture.							
— " — Channel to irrigate lands in Jeanmanon and Nilligiri	8400	No. 30 of 19th Dec. 66	5250				5250

Total Rupees 27291

3545
31136

Superintending Engineer 1st Circle
Orissa Division
6th March 1867

Executive Engineer 1st Do.

Forwarded to the Secretary to Government P.W.D.
with reference to this letter dated 6th March 67.

47

Statement of Linen
allotted for Pittsburgh
which are not to be
spent during Current
year

Imperial Funds.

Repairs.

Statement shewing the sums allotted for Public Works in the 1st Division which are not likely to be expended during the current year.

District.	Budget Head.	Amount of Estimate.	No. & Date of Order sanctioning the Estimate.	Current year's allotment.	Probable expenditure upto 31st March, 1864.	Amount not required.	Remarks.
Guiana District	Agricultural	19,976	This may circumscribed by Limits dated 24th Feb 1864	19,636	340		
Vizagapatam "	Military	4,179		3,474	705		
Godavery "	Agricultural	12,800		10,800	2,000		
" "	Mis: P. Improvement	9,000		5290	800		
				Total		3,545	

Secretary to the Govt of India
Public Works Department

Fort William
the 8th March 1864.

Secretary to the Govt of India
Public Works Department

Forwarded to the Secretary to Government G.P.W. with reference to the Telegram dated 2nd March 1864.

517

Proceedings of the Madras Government
Under date the 13th Mar/67

Read the following -

From the Supt Engr 4th Div (R. D. 2d March/1867
No. 4765)

Do Do 7th Do (R. D. 25th Feby 1867
No. 237)

Do Do 10th Do (R. D. 5 March 1867
No. 273)

With the first above recorded of the above letters, the Superintending Engineer of the 4th Division submits his finals & statements of Savings and Demands for the current year.

The Governor in Council Sanctions the following transfers of funds.

District

District From	Work	Amount estimated required Rs.
	New Works	
Madras	Madras Water works – Estimate Rs. 6,11,759 – Sanctioned by the Govt. of India in their letter No. 626 C. dated 19th July 1866	6,650
Do	Do Do	2,920
Godavery	Central Jail at Rajahmundry – Budget Item No. 63	4,000
Ganjam	Road from Aska to Ganjam – Do – No. 108	284
Malabar	Cheroopoya and Nilamboor Bridges – Do – No. 157	2,000
Do	Harbour Island Earth work, &c., below – Do – No. 133	646
		9,850
Ganjam	Church at Berhampore – Estt. Rs. 9,266. Sanctioned in June 1865 dated 15th January 1867	210
Godavery	Raising the Godavery Anicut – Budget Item No. 80	5,000
Do	Do Do	3,000
Do	Do Do	23
Ganjam	Chilka Canal – Estt. Rs. 118,200 – Sanctioned in June 1862 dated 28th June 1866. Funds allotted by the Govt. of India in letter No. 680. A. dated 27th July 1866	5,577
		5,600
Do	Do Do	3,000

District To	Work	Amount Granted Rs.
	New works	
Presidency	Making certain alterations in the criminal side of the Grand Jail – and erecting a Cart shed and Guard room for the use of the Commissariat Stores – Budget Item No. 32	6650
Do	Constructing a Soojee Mill and Bakery with Quarters for a Staff Serjeant, Cart and bullock sheds, well, &c. Revised Estt. Rs. 39,695 – Budget Item No. 33	9850
Madras	Constructing a 33 feet Chimney to the Engine House at Jumidy Park – Sanctioned on Emergency	210
Presidency	Making certain alterations & improvements to the Arrack and Porter godowns in the Commissary Genl's Office – Estt. Rs. 3540 – Sanctioned in June 15. 79 dated 3rd Jany 67	× 5,000
Do	Constructing a filtering Cistern at the 7 wells – Sanctioned on Emergency	× 3,000
Do	Drainage of Perambore Lines – Estt. Rs. 16,000. Sanctioned in June 2795 – dated 3rd September 1866	× 5600
Do	Demolition of the Black Town wall – Sanctioned on Emergency	× 3,000

× Subject to the approval of the Govt. of India

Ganjam	Chilka Canal- Estl. Rs 118200- Sanctd in June 2042: of 28th June 1866- Funds allotted by the Govt. of India in letter No 1884 of 27th July 1866	1477		
Do	Do	Do	4800	
Do	Do	Do	2750	
Do	Do	Do	1743	
Godavery	Channel to irrigate lands in Gendamur- Estl. Rs 8450- Sanctd in June 3992- of 19th De- -cember 66- Funds allotted by the Govt of India in letter No 181. A. of 13th February 1867	1097		
			2840	
Do	Do	Do	2,353	
Malabar	Harbour Jhaut; Earthwork, &c, below Budget- Item No 133	647		
			3,000	
Do	Do	Do	2000	

Presidency	Padding two of the Cells at the Lunatic Asylum. Sanctioned on Emergency	× 1477
Do	Fitting up Duffs Cooking ranges and making alterations in the General Hospital- Sanctd on Emergency	× 4800
Do	Constructing a Dead House for Europeans and Natives at the Jenral Hospital- Sanctd on Emergency	× 2,750
Do	Constructing a Cook house with Godowns for the European and Native patients in the Civil side of the General Hospital- Sanctd on Emergency	× 2840
Do	Extending the Store shed at the Public Workshops in prolongation of the present Smithy and Carpenters shops- Estl. Rs 15,940- Sanctd in June 523- of 21st to February 1867	× 3,000
Do	Asphalting the floor of the Custom House Yard and shed- Estl. Rs 16000- Sanctd in June 4088- of 22d December 1866	× 2000

× Subject to the approval of the Govt of India

Malabar	Harbour Jhaut	New Works (emts) Earthwork, &c, below Bud-	
	-get Item Rs 133		107
		Repairs	
Godavery	Agricultural		2000
Ganjam	Do		323
			2430
Do	Do		17
Godavery	Mis. Pub. Improvement		800
Malabar	Communication		225
Wynaad			
			1042

~~Repairs~~

Vizagapatam	Military	705

New Works (emts)

Cemetry for Roman Catholic at St. Thomas' Mount - Estt Rs 2430 - Sanctioned in Sorr 3125 - & 31st October 1864 — 2430

Gundy water supply project - Estimate Rupees 17986 - sanctioned in Sorr 3576 and 3626 - & 4th December 163 & 30th November 1864 — 1042

~~Repairs~~

New Artillery Barracks and Married Quarters at Cannanore - Budget Item Rs 25 — 705

× Subject to the approval of the Govt of India

The Government are at present unable to provide the further Grants which are required for the undermentioned new works, but they will endeavour to meet the demands of the Sup.t Engineer later in the year.

Presidency

Making Pay Mill to be attached to the Infy Lines Chinsurah
Estimate Rs 265 - Sanctd in Sone 5745 - dd 25th February 1867 265

Putting up Hand pump at the Powder Mills - Estt Rs 320 -
Sanctd in Sone 201 - dd 21st January 1867 ——— 86

Providing better ventilation & effecting improvements for
the preservation of cleanliness in the Privies and Urinals
in use with the Arsenal Establishment in the
Fort - Estt Rs 580 - Sanctd in Sone 1957 - dd 22d June /66 —— 483

Erecting corrugated Zinc shed to protect the
Armstrong Guns on the Sea face in Fort St.
George - Estt Rs 5160 - Sanctd in Sone 3907 - dd
11th December 1866 ——— 310

Constructing a Latrine for Native Artificers,
and ~~also~~ making alterations to the ~~other~~ privies
for East Indian Artificers and Apprentices
of the Gun Carriage Manufactory - Estt Rs 2190 -
Sanctd in Sone 2860 - dd 7th September 1866 —— 260

Presidency

	Rs.
Constructing Drains and reservoirs, &c. in St. George Wallajah Barrn (Coutts) - Estimate Rs 1550 - Sanctd in Sone 2864 dated 8th September 1866 ———	1550
Altering 12 apartments of the Rent Latrines attached to the Family Barracks in Fort St. George - Outfall thereof for the reception of the self-acting earth closets - Estt Rs 320 - Sanctd in Sone 189 dd 19th January 1867 ——	320
Minor New Works under "Military" ———	391
Protecting three stained windows with brass wire net, &c. at St. George's Cathedral - Estt Rs 425 - Sanctd in Sone 3803 dd 29th November 1866 ———	425
Minor New Works under "Civil Building" ———	150

Barracks

Supplying new pumpkahs and altering existing ones in the North and other Barracks at St Thomas Mount — Estt Rs 1452 - Sanctd in Sone 178 dd 19th Jany /67 ——	1349
Constructing Bath room, with a separate Bath urinal to each of the small Civil rooms, in the back verandah of Nos 1, 2, 3 & 4 Hospital at Palaveram - Estt Rs 720 - Sanctd in Sone 1044 - dd 5th April /66 ——	868
Removing the enclosed verandah, improving the ventilation, &c. of the Bath room of the East tiled Barracks at St Thomas' Mount - Estt Rs 1830 - Sanctd in Sone 3742 - dd 26th November 1866 ———	2049

Madras

	Rs
Alterations and improvements to the North Barracks at St. Thomas' Mount Estt. Rs 750 - Sanctd in Govt 3742 - 8 26th November 66	750
Do — South - Do — Do —	750
Erecting screen walls and fitting teak wood gratings in the Bath room of the Bombproof Barracks at Do. Estt. Rs 280. Sanctd in - Do —	280
Do — Do. West tiled Barracks in - do — Estimate Rupees 200. Sanctd in - do —	200
Improving the ground ventilation and raising the floor of the Solitary Cells in - Do. Estt. Rs 85. Sanctd in - Do —	88
Constructing Porch to Powder Magazine in Horse Artillery Lines at the Mount. Estt. Rs 650 - Sanctd on Emergency —	650
Constructing Ventilators in all the privies in use by the men and women in Barracks, at Poonamallee - Estt. Rs 450. Sanctd in Govt 2817 - 3 - 4th September 1866 —	450
Adding verandahs to the cook rooms attached to the Family Quarters in the Compound - Sanctd Bungalow at the Mount - Estt. Rs 300. Sanctd in Govt 2874 - 38 - 8th September 1866 —	300
Painting boards for all the Military and Civil buildings at - Do - Estt. Rs 830 - Sanctd in Govt 2360 - 726 - 9th July 1866 —	830
Taking up and levelling stone floor and fixing a new iron one at the Range Practice Ground at - Do - Estt. Rs 440 - Sanctd in Govt 526 - 721 - 4th Feby 67	440

Madras

	Rs
Minor New Works under "Military" —	590
Gunidy water supply Project - Estt Rs 3426 17986 - Sanctd in Govt 3440 and 3576 - 2 4th December 1863 and 30th November 64 —	94
Additions and alteration to the Engine House at Gunidy Park - Sanctd on Emergency —	1700
Working the Engine at Do — Do —	250
Minor New Works under "Civil Building" —	200
North Arcot	
Do — Do —	275

Demolition of the Black Town wall required

4 The item noted in the margin is entered under the head "Military" - It should be classed under "Civil Public Improvements"

5. As the allotments for the twelfth and thirteenth of the works entered at the foot of para 3 of these Proceedings exceed the sanctioned Estimates by more than 5 per cent, the Superintendent should submit full explanation of the causes of Excess in Each

each case.

6. The Lords note that Estimates have not yet been furnished for several of the works which are included in Part III of the Supp. Engrs Return

Space of 1

The Supp Engr 1st Div
" — Do 4th Do
" — Do 7th Do
Captain Kennedy
Contr of W.A.
Reeds General

Despd 14/3/67

7

Recd 11th March/67