M.R.O. 1—77,006—8-6-37.

(1) Number of pages 17

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 3082 Press / Mis.

400-01

Dated 19-- 12 1820.

Not to be folded or roughly handled

No. 400. Read the following letter from the Executive Engineer in charge of Superintending Engineer's Office, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 21st September 1870, No. 2,584 :—

I HAVE the honor to submit a List of the Orders of Government issued up to the 31st March 1870, and remaining unanswered on the 1st July 1870, to which has been appended the prescribed statement of periodical returns.

1 List.
1 Statement.

List of Orders of Government of more than three months' standing up to the 31st March 1870, remaining unanswered by the Superintending Engineer in charge of 4th Division on the 1st June 1870.

Proceedings of Government.		District.	Subject.	Remarks.
No.	Date.			
2,326	28th Sept. 1859.	Presidency.	Branch canal from the General Hospital to near the Light-house.	Retained in the list in accordance with G. O., No. 4, dated 4th January 1864. Canal from Basin to Clives' Battery, though in the same Order omitted.—*Vide* paragraph 7 of G. O., No. 83, dated 9th January 1864.
60	8th January 1864.	Chingleput.	New church at Pulicat.	Deferred.—*Vide* G. O., No. 595, dated 4th March 1865.
809	17th March 1864.	Presidency.	Addition to the Central Museum at Madras for a Public Library.	The preparation of a design is in the hands of Mr. Chisholm, C.E.
1,385	4th May 1868.			
1,211	27th April 1864.	Chingleput.	Location of Gun Carriage, Gun Powder, and Bullet Factories and Arsenal inflammable stores at Saint Thomas' Mount.	Under investigation. A new site has been selected.—*Vide* G. O., No. 84, dated 12th March 1870.
1,471	1st June 1865.			
358	30th Jan. 1866.			
620	22nd Feb. 1866.			
781	9th March 1868.			
84	12th ,, 1870.			
1,534	9th June 1865.	Presidency.	New building for the Madrassa-i-Azam in Chepauk premises.	An estimate, Rupees 71,500, for building a Snider Ammunition Factory sanctioned in G. O., No. 3,914, dated 14th December 1869, but work stopped in G. O., No. 1,572, dated 30th June 1870.
1,783	6th June 1866.	Chingleput and North Arcot.	Large irrigation schemes to be matured.	Deferred.—*Vide* G. O., No. 526, dated 13th February 1866.
1,156	15th April 1867.			The state of progress of each project is described in the Acting Superintending Engineer's letter, No. 1,021, dated 22nd May 1869. —*Vide* G. O., No. 2,613, dated 11th August 1869. Further report promised in the last Unanswered Reference List is embodied in G. O., No. 2,093, dated 31st August 1870.

Proceedings of the Madras Government, Public Works Department, 19th December 1870.

List of Orders of Government of more than three months' standing, etc.—(Continued)

Proceedings of Government.		District.	Subject.	Remarks.
No.	Date.			
2,714	28th Aug. 1866, paragraph 1.	Presidency.	New Military Hospital.	Reference made to the Commander-in-Chief for determining a site for the building.—*Vide* G. O., No. 3,127, 5th October 1868. Deferred in paragraph 2 of G. O., No. 3,187, dated 6th October 1866. Deferred.—*Vide* G. O., No. 3,933, dated 13th December 1866.
2,714	Do. paragraph 5.	Do.	Lighting the General Hospital with gas.	Only the three following estimates remain to be submitted in accordance with paragraph 1 of G. O., No. 805, dated 10th March 1868, namely :— 1st.—Road from Kunnamungalam to Polur. 2nd.—Trivettoor to old Arcot. 3rd.—Arnee to Chetput. The estimates for the second and third roads were sent to Collector for approval, and should be submitted by him to the Board.
3,033	21st Sept. 1866.	Do.	Revised design for a new Civil Debtor's Jail.	The first estimate was returned by the Collector disapproved on account of the large amount.
3,938	14th Dec. 1866, paragraph 79.	Do.	Estimates for certain works entered in the Budget of 1867-68 which have not been approved of by Government.	Plans and estimates submitted with the Superintending Engineer's letter No. 195, dated 28th May 1868, but returned by the Secretary to Government, Public Works Department, for resubmission when the various Chepauk improvements have been decided upon.
2,204	22nd July 1867.	Do.	Erection of a latrine for the use of the employés at Chepauk on a new site.	The four projects referred to in this call are :— 1st.—Nagalgattah Tank project. 2nd.—Malla waram Tank do. 3rd.—Palmanair Irrigation do. 4th.—Mamlaukum do
2,693	3rd Sept. 1867, paragraph 2.	North Arcot.	New Irrigation works proposed by Mr. Robinson, Collector of North Arcot.	The two first have been abandoned in G. O., No. 2,093, dated 31st August 1870. The third is under investigation—*Vide* Superintending Engineer's report, dated 22nd May 1869, No 1,021, and Order thereon No. 2,643, 11th August 1869. Mambaukum project is deferred.—*Vide* G.O. No. 3,854, dated 8th December 1869.

Proceedings of the Madras Government, Public Works Department, 19th December 1870.

List of Orders of Government of more than three months' standing, etc.—(Continued.)

Proceedings of Government.		District.	Subject.	Remarks.
No.	Date.			
3,500	13th Nov. 1867.	Presidency.	Surrounding walls and Porter's lodge in connection with the General Hospital.	Held in abeyance until it is known what limits are eventually to be assigned to the General Hospital compound.
3,808	7th Dec. 1867, paragraph 1.	Chingleput.	Information regarding the subsidiary works of the Chembrumbaukum tank to admit of an accurate computation being formed of the remunerative effect of its enlargment.	Plans and estimates sent to the Acting Chief Engineer for Irrigation with letter dated 30th November 1869, No. 4,437.
Do.	Do. paragraph 3.	Do.	To submit a report of the efficiency of certain subsidiary works proposed to secure a proper supply of water to the Chembrumbaukum tank, together with plans and estimates.	A revised project is under investigation.
Do.	Do. paragraph 4.	Do.	Expediency of enlarging the proposed calingulah as suggested by the Government of India and of the means available for utilizing the surplus water of the Chembrumbaukum tank to be reported.	Do. do. do. Estimate for one of the works, namely, constructing sluices at the head of various channels taken off from the Bungairoo channel, sanctioned in G. O., No. 1,328, dated 29th April 1868.—*Vide* remarks opposite last G.O. *Vide* remarks above.
3,950	20th Dec. 1867.	Do.	Supplemental estimate for the anicut across the Neenjal Madagoo.	Revised estimate has been received from Range Officer and will be submitted shortly.
1,080	6th April 1868, paragraph 26.			
839	13th March 1868, paras. 1 and 2.	North Arcot.	Plans and estimates for Talook Cutcherries with Jails and for entirely new Subsidiary Jails in certain talooks in North Arcot.	The estimates of the Wallajah and Chendragherry ranges have been submitted. Those for Vellore, Polur, and Chittoor will be submitted in a few days.
1,275	27th April 1868.	Chingleput.	Revised plans and estimates for the Chembrumbaukum project.	Revised estimate for the project submitted to Chief Engineer for Irrigation.—*Vide* Superintending Engineer's letter, No. 4,437, dated 30th November 1869. But as this project has been abandoned, plans and estimates for completing the tank on the original scale, as called for in paragraph 3 of G. O., No. 1,044, dated 21st April 1870, will be submitted shortly.
3,215	12th Oct. 1868, paragraph 3.			
3,331	15th Oct. 1869.			
1,044	21st April 1870, paragraph 3.			
1,329	24th May 1870.			
1,716	29th May 1868, paragraph 3.	North Arcot.	Nagaputta, Mailcoopum, and Malaswaram tank project.	The first and third have been abandoned in G. O., No. 2,093, dated 31st August 1870, and the second sanctioned in G. O., No. 3,759, dated 2nd December 1869.

List of Orders of Government of more than three months' standing etc.—(Continued)

Proceedings of Government.		District.	Subject	Remarks.
No.	Date.			
2,063	30th June 1868, paragraph 1.	Chingleput.	Marine Sanitarium at Ennore.	Deferred—*Vide* G. O, No.
Do.	Do. paragraph 3.	Do.	To report on the offers made by Messrs. Shaw, Gahan, and Harley with regard to their property at Ennore.	The report on Mr. Harley's offer has been submitted in letter, No. 4,044, dated 17th November 1868.
2,154	7th July 1868.	North Arcot and Chingleput.	Results of observations made with regard to experiments on velocities and discharge of open channel to be reported.	Further reports awaited from Range Officers, and they have been again called for to report especially with reference to the opportunities afforded by the favourable season of the past two or three months.
3,215	12th Oct. 1868, paragraph 2.	North Arcot.	Plans and estimates for widening and deepening the branch channel from the main channel of the Cheyaur in connection with the Cheyaur Anicut.	A report enclosing the Executive Engineer's letter was sent to the Acting Chief Engineer on the 16th July 1869, No. 2,078.
496	15th Feb. 1869, paragraph 2.	Do.		
3,711	27th Nov. 1868.	Do.	Estimates for the completion of such roads declared to be Imperial in G. O., No. 2,831, dated 11th November 1868, as are under construction or have not yet been commenced; also detailed estimates for the maintenance of all these Imperial lines which are at present unprovided with annual repair allowance.	Estimates for improving the following roads entered in the Budget for 1870-71, submitted from this office:—Trunk Roads Nos. 1, 2, 3, 17, and 18, and road from Kalambaukum to Chingleput, Madras District; none of them found a place in the sanctioned Budget. The estimate for the Trunk road No. 1 has been sanctioned and is being worked out. The Budget of 1870-71 provides for the maintenance of all Imperial roads except the one from Kalambaukum to Chingleput and from Chunamcolum to Trunk road No. 1, which is under construction.
912	19th March 1869.	Chingleput.	Extension of the East Coast Canal from Doogarazapatam to Kistnapatam.	Revised estimate submitted with Superintending Engineer's letter, No. 2,236, dated 30th August 1870.
1,481	7th May "			
2,735	20th Aug. "			
2,222	8th July 1869, paragraph 2.	Do.	Extraordinary Agricultural Works.	The only work of this class in this Division is the Madras Water Works, the revised estimates for which has been laid before the Chief Engineer for Irrigation and orders passed.—*Vide* G.O., No. 1,100, dated 26th April 1870. The Chembrumbaukum tank project has been transferred to Ordinary.—*Vide* G. O., No. 1,044, 21st April 1870.

List of Orders of Government of more than three months' standing, etc.—(Continued.)

Proceedings of Government.		District.	Subject.	Remarks.
No.	Date.			
2,643	11th Aug. 1869, paragraph 2.	Chingleput.	To report the measures, proposed to complete the Irall river project, and when it will be submitted for the consideration of Government.	These projects are being investigated and some have been surveyed.—*Vide* remarks opposite Nos. 1,783 and 1,156, dated 6th June 1866 and 15th April 1867.
Do.	Do. paragraph 3.	Do.	To ascertain the cost of restoring the Moolkur tank, and to furnish a rough estimate of its capacity when restored.	
Do.	Do. paragraph 4.	Do.	To make out an accurate return of water available for extending the area of cultivation under the Poiney Anicut Western Main Channel.	
Do.	Do. paragraph 5.	North Arcot.	To complete the investigation of the Punganur river project.	
Do.	Do. paragraph 6.	Do.	To prepare an estimate for the restoration of the Melmaye tank.	
Do.	Do. paragraph 7.	Do.	To state on what ground Mr. O'Shaughnessy concluded that the restoration of Grames' and Sader Khan's tanks would not be practicable.	
Do.	11th Aug. 1869, paragraph 8.	Do.	To report when it is probable that the Mambaukum project will be ready for submission.	Deferred in G. O., No. 3,854, dated 8th December 1869.
Do.	Do. paragraph 9.	Do.	To determine the water supply available in connection with the Esnaick, Nagaputla, and Malaswaram tank projects.	The first project is under investigation. The second and third projects have been abandoned.—*Vide* G. O., No. 2,093, dated 31st August 1870.
Do.	11th Aug. 1869, paragraph 12.	Do.	To select the project which can most easily be brought forward for early disposal and to report the extra establishment required.	Under investigation.
2,678	14th Aug. 1869.	Presidency.	Stamp stalls and a room for Registrar in the Small Cause Court.	Estimate for stamp stalls submitted and sanctioned in G. O., No. 414, dated 14th February 1870. Plan and estimate for Registrar's room under examination in this office and will be submitted shortly.
2,708	11th Aug. 1869, paragraph 3.	Chingleput.	Quantity of water obtainable on the Cortelliar during the dry season.	Report awaited from the Executive Officer. A reminder has been sent to him.
3,698	19th Nov. 1869.			

Proceedings of the Madras Government, Public Works Department, 19th December 1870.

List of Orders of Government of more than three months' standing, etc.—(Concluded.)

Proceedings of Government.		District.	Subject.	Remarks.
No.	Date.			
2,845	31st Aug. 1869, paragraph 2.	Presidency.	Report as to the suitability of the plant sent for the Gas Works.	Will be submitted on the receipt of information from the Superintendent of Gas Works.—*Vide* Superintending Engineer's letter, No. 3,893, dated 27th October 1869, paragraph 2.
3,173	1st October 1869.	Do.	Ports, Harbours, and Backwaters on the coasts of the Madras Presidency.—Information to be collected and furnished for carrying out improvements to—	Report sent in.—*Vide* Superintending Engineer's letter, No. 539, dated 10th May 1870, and further information is being collected.
3,555	6th Nov. 1869.	Chingleput and North Arcot.	Statements of Irrigation work in the form required by the Secretary of State for India to be furnished from the year 1856-57.	Returns awaited from Range Officers.
3,854	8th Dec. 1869.	North Arcot.	Mambaukum Project	Further investigation being made for ascertaining the full capability of Cheyaur and Seeaur rivers as sources of irrigation.
151	13th Jan. 1870, paragraph 4.	Presidency, Chingleput, and North Arcot.	Names of officers and subordinates failing to pass examination in Vernacular language within twenty months from date of this order to be specially reported.	Will be reported after the 30th September 1871 according to the terms of the order.
304	2nd Jan. 1870.	Presidency.	To submit statement showing the sums due for labour and materials.	Included in the "Savings and Demand" lists sent with letters Nos. 5,822 and 6,234, dated respectively the 3rd and 26th March 1870.

MADRAS,
21*st September* 1870.

(Signed) H. T. ROGERS, Captain., R.E.,
Executive Engineer,
in charge of Suptg. Engr's. Office, 4th Division.

No. 401. ORDER THEREON, 19th December 1870, No. 3,082.

ESTABLISHMENT, No. 30. ORDERED to be recorded.

(True Extract.)

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

To the Superintending Engineer, 4th Division.

Exd. S. T. Augustin.

No. 2584. Superintending Engineers Office
4th Division Madras
21st September 1870.

From
Captain H. T. Rogers R. E
Executive Engineer in charge
Superintending Engineers Office 4th Div.

To
Colonel C. A. Orr. R.E.
Secretary to Government P.W.D.

Sir,

Enclosures
1 List
1 Statement.

I have the honor to submit a List of the Orders of Government issued up to the 31st March 1870, and remaining unanswered on the 1st July 1870, to which has been appended the prescribed Statement of Periodical Returns.

I have the honor to be
Sir
Your most Obedient Servant
H. T. Rogers Capt. R.E.
Exc. in ch. Supt. Engrs. Office 4th Div.

PW 1870 Dept

From No. 3758
The Ex Engr in charge
Supg Engineers Office 4 Dn

To The Secretary
to Government PW

dated 21st } Septr 1870
Recd 22d }

No. 7584
Enclosures 25

Submitting a List of the orders of Government remaining unanswered on the 1st July 1870, also the prescribed statement of periodical Returns.

No. 3082-19 Decr 71

With an Order

No. 3082

Ordered to be recorded.

Forwd. Engr
19 Decr 71

WL

to the Supt Engr ~~[illegible]~~ by 5 Adopted 19/12/70
G.C. 20/1/71

5

PW 37 58/70.
From 19 Decr 70 L 2400.

List of Orders of Government of more than three months Standing up to the 31st March 1870 remaining unanswered by the Superintending Engineer in charge 4th Division on the 1st June 1870.

Regd No of Government	Number	Date	District	Subject	Remarks
	2326	28th Sept 59	Residency	Canal from the General Hospital towards the Light house.	Returned in the list sent in accordance with S.O. List dated 5th January 1864. Canal from Pier to Arsenal. Letter to Chief Engineer to the same effect omitted mentioned in G.O. No 83 dated 9th January 1865.
	60	8th Jany 64	Ishinglipat	New Church at Pilicat	Dispensed vide G.O. No 595 dated 4th March 1865.
	358 820 781 84	31st Jany 65 22nd Feby 66 9th March 68 12th March 70	Ishinglipat	Gun Powder and Bullet Factories and Arsenal in flammable stores at Saint Thomas Mount.	An estimate Rupees 71570 for building a Powder Ammunition Factory Sanctioned in G.O. No 3914 dated 14th December 1869, but work stopped in G.O. No 1572 dated 30th June 1870
+	1584	9th June 65	Residency	New building for the Engineer in Ishipand premises	Dispensed vide G.O. No 626 dated 13th February 1866.
	1783 1156	6th June 65 13th April 67	Ishinglipat and Kistnagherry	Large Irrigation Scheme.	The State of progress of each Project is described in the Acting Superintending Engineer's Letter No 1021 dated 22nd May 1869. Vide G.O. No 2643 dated 11 August 1869. Further Report promised in the last Unanswered Reference List is embodied in G.O. No 2993 dated 31 August 1870.

2944	28th Sept 68	Do	New Building Hospital	Returned under No 4761 of 4th October 1868
2945	do	do	Lighting the Ground Hospital with Gas.	Returned under Collr's Demi Official No 4789 dated 5th October 1868.
3035	7th Oct 68	do	Fencing round the New Civil Station Jail.	Returned under Collr's No 5033 dated 13th December 1868
3938	14th Dec 68 para 19	do	Estimates for certain roads entered in the Budget of 1867/68 which have not been approved by Government	G. O. No 805 dated 10th March 1869 viz:- 1st Road from Kannammugalum to Velur 2nd Diversion to old Direct. 3rd Aranee to Chetpet. The estimates for the second and third road were sent to Collector for approval and should be submitted by him to the Board. The first estimate was Returned by the Collector disapproved on account of the large amount.
2204	22 July 68	do	Erection of a Latrine for the use of the employés at Chetpauk on a new site	Plans and estimates submitted with the Supt Engineer's letter No 995 dated 28th May 1868 not returned by the Secretary to Government Public Works Department for resubmission when the various Chetpauk improvements have been decided upon.

				Copy of Govt Report referred to in this Table viz 1st Nagulapattan & Vind Project 2nd Kalastaram ——— do ——— 3rd Veeranam Irrigation — do — 4th Mambakkam ——— do ———
2893	21st July 1865	Madras	Kaveri Irrigation proposal referred for Mr. Colonel Cotton's Report	Also two despatches abandoning in G.O. No. 2893 dated 21st August 1865. Do. 3rd is under investigation as Sluice Scheme called for 22nd Nov. 1865 No. 1021 and Order thereon No. 2513 dated 11th August 1865. Mambakkam Project is disposed of in G.O. No. 3850 dated 8th Dec. 1865.
3500	13th Dec. 1865	Pondicherry	Surrounding Wells and Tanks Levels in connection with the Canal Hospital.	Held in abeyance until it is known what Irrigation operations are to be assigned to the General Hospital Compound.
3808	7th Dec. 1865	Chingleput para 1	Information regarding the Levelling works of the Cholavaram Anicut to admit of an accurate computation being framed of the remunerative effect of its enlargement	Plans and estimates sent to the Acting Chief Engineer for Irrigation with letter dated 30th Nov. 1865 No. 4437. as revised Project pending investigation.
—do—	—do—	para 3 —do—	To submit a report of the efficiency of certain subsidiary works proposed to secure a proper supply of water to the Cholavaram Anicut together with plans and estimates.	Estimate for one of the works, namely constructing Sluices at the head of previous Channels taken off from the Pungairoo Channel sanctioned in G.O. No. 1328 dated 29th April 1865 vide remarks opposite Page 610
—do—	—do—	para 4 —do—	Expediency of enlargement of the proposed Calingulah as suggested by the Government of India and of the means available for utilizing the surplus water of the Cholavaram Anicut to be reported.	Vide Remarks above

950 1880	28th Dec 68 to 6th April 69 para 26	Chingleput	Supplemental estimate for the Amount across the Bengal Budget	Projected Estimate has been received from Conjeveram and will be submitted shortly
139	13th March 68 para 1 and 2	North Arcot	Plans and estimates for taking Contingencies with Tiles and for putting over Sundry Tiles in certain Tahsildarees in North Arcot	The Estimates of the Tahsildars and Chandragherry Mungod have been submitted - those for Vellore Arnee and Chittoor will be submitted in a few days.
1275	27th April 68			
2215	12th Oct 68			
2331	16th Dec 68 para 3	Chingleput	Revised Plans and estimates for the Schoolroom Anicut Project	Revised estimate for the project submitted to Collr - Engineer for Irrigation vide Supdg Engineers letter Cuddapah dated 20th December 1869 - Both this project has been altered and estimates for completing the Anicut on the original scale as called for in Para 3 of G.O. No 1254 dated 21st April 1870 will be submitted shortly
1844	21st April 69 para 3			
1354	24th May 69			
1716	29th May 68 para 3	North Arcot	Nagapatta Mailcoopum and Malaiveram Tank Project	The 1st and 3rd have been abandoned in G.O. No 2093 dated 31 August 1870 and the 2nd sanctioned in G.O. No 3750 dated 2nd December 1868
2363	30th June 68 para 1	Chingleput	Marine Sanitarium at Ennore	Deferred vide G.O. &c
do	do para 3	do	To Report on the offers made by Messrs Shaw, Graham and Harley with regard to their property at Ennore	The Report in Mr Harley's offer has been submitted in letter No 4046 dated 17 November 1868.

Half-yearly	Chief Engineer's Circular No LXXIX dated 12th February 1862.	Return of Tools and Stores made up or received from other sources of Subsidiary than the Presidency Stores Dept.	15 June 15 Nov.			This is now furnished to Controller.
Quarterly	No 1724 of 30th June 63	Statement shewing the Strength and Distribution of Officers and Subordinates	April 15 July 15 Oct. 15 Jany 15		For the quarter ending 30 June 70 and on the 2d July 1870 No 1467	
Monthly	No 116 dated 2 May 63	Abstract Estimate of Imperial & Coa Funds required for Public Works	20th of every Month			This is now sent Monthly to Controller

Supt Engr's Office
4th Division
Madras 21st September
1870

A M Rosen Captain R E
Supt Engr 4th Division

Recd 27 Sept 1870
Entd 29th Sept 1870

18

5

Abstract of Tools and Stores made up or received from other sources of Subsidiary than the Presidency Stores Dept.

Half-yearly

Chief Engineer's Circular No LXXIX dated 12th February 1862.

Return of Tools and Stores made up or received from other sources of Subsidiary than the Presidency Stores Dept. — 15 June, 15 Nov.

This is now furnished to Controller.

Quarterly — No 1724 of 30th June 63 — Statement shewing the Strength and Distribution of Officers and Subordinates — April 15, July 15, Oct. 15, Jany 15 — For the quarter ending 30 June 70 and on the 2d July 1870 No 1467

Monthly — No 116 dated 2 May 63 — Abstract Estimate of Imperial & Coa Funds required for Public Works — 20th of every Month — This is now sent Monthly to Controller

3213 12 Oct 38 Head Quarters — Abstract Estimate of the probable amount of Office Contingencies required for the Presidency of Fort St George during the year 1838-39 — Madras 2

— do — Estimate of the Telegraphic Messages to be sent from Madras during the year 1838-39 — Madras 2

Annually

Ex Minis Circ: N°497. dated 4 Nov: /55 page 220 of grants Circulars and Memo from Secy to Govt C.W.D issued in 1864	Statement of Lands acquired by the Members of the Queen's Own Regiment during the year ending 31st December 1869	15 April	For the year ending 31st March 1870 sent to Controller on the 8 June 1870 in No 1062.
Proceedings of Govt N°1825 dated 26th August 1861	Imperial Budget of Public Works with accompaniments	1st October	For the year 1870/71 sent on the 4th October
Ex Minis Circ: N°1860 dated 3rd June 1867.	List of Architectural Remains	15th May	For the year 1870/71 sent on No 36 April 1870 No 117.
e N°87 dated 18 March 63	Returns of Officers and Ordinaries on Receipt of Parl Rs & Refunds for 6 Months	30 Novr	For the Calendar year 1870 sent on the 1st January 1871 No 2585.
N°387 d/6 Feby/64	Statement of Sanctioned New works expected to be but not completed during the year and unprovided for in succeeding year Budget Abstract for which funds are Required	15 April	For the year 1870/71 sent on the 25 April 1870 No 340
N°1484 dated 12th June 1863	Report on Burial Grounds	do	Discontinued vide G.O. N°1478 d/16 May 1867.
Min Engrs Circular N°XIII d/25 July/62	Detailed Statement of Civil Stores Ord Plant Tools Scientific Instruments Drawing Materials &c.	do	This is now furnished to the Superintendent of Public Works Stores
Half Yearly N°1366 dated 23 July/61 N°2052 d/27 Oct/63	Return of Deficiencies	do 15 Oct	For the half year ending 31st March 1870 N°67.
XIII	List of Unascertained Reserves	15 January 15 July	For the half year ending 31st Dec 1869 sent on the 12 March 1870 N° 5998.

Periodical Returns

Orders of Government calling for the Returns	Subject	Date on which the Return is due	From what period and when the last Return was submitted	Remarks.
Annual No 323 dated 5th February 1869 No 209 dated 30th Sept for 5 future years	Two Statements showing the higher grades of uncovenanted servants (one for Europeans and East Indians the other for Natives) as they stood on the 1st April of the year.	15 April	For the year ending 31st March 1870 submitted on the 21st April 1870 in No 285 & 286.	
Extract Mines Com: No 1497 dated 4 Nov/65 page 220 of grants Circular and Memo from Secretary to G.I.M. issued in 1864	Administration Report with Appendices ———	15th do	For the year ending 31st March 1870 submitted on the 25 April 1870 in No 344	

2222	8th Sept.	Chinglepet	Extraordinary Agricultural works	The work proposed in this division is the Madras Public Works the revised estimates for which has been laid before the Chief Engineer for Irrigation and Orders pursuant to G.O. No. 1300 dated 26th April for the Memorandum and Project have been transmitted Ordinary Price C.C. No. 1144 dated 2nd April 1870.
2643	8th Oct. 69	do	To report the measures required to complete the Pallaur Project and when it will be submitted for the consideration of Government	These projects are being investigated and some time hence will be submitted. Vide
—	8th Nov.	do	To ascertain the cost of the Estimate submitted by the Superintending Engineer Central.	remarks column dated 9th June 1870 and 15th April 1871.
do	do-June 4	do	To make an accurate estimate of the cost of making the dam at Chittoor and the Pongamoor Tirukalatchi Channel	
do	do-June 8	Conservator	To complete the investigation of the Pongamoor River Project	These projects are being investigated and some have been surveyed. Vide remarks column dated 6th June 1783 and 1155 dated 6th June 1870 and 15th April 1871.
do	do-June 9	do	To prepare an estimate for the restoration of the Periyaneri tank	
do	do-June 9	do	To state in detail ground Mr. Stronghouse concluded that the restoration of Ponds and Tanks would not be practicable	

12

2543	11th Augt 1869 para 8	Mett Asst Engr Mamelbuchan Road will be sent for Instruction	Referred in C.E. No. 3853 dated 8th December 1869.
do	do do	Selection of Site for Workshop Gratuity in connection with the Inverurie Aberdeen Railway Works	Site & Estimate under investigation. Plans & Report have been forwarded vide C.E. No. 3903 dated 31st August 1870.
do	11th Augt 1869 para 12	Mett Asst Selection of proper site & permanent Bridge to be brought forward for Railway and to select site for Station Establishment required.	Under investigation
2808	19th Augt 1869 para 3	Gratuity Mention of Master Mason in the Circular during the Engineering	Mr Cruickshank has been directed to submit his Estimate.
2845	31st Augt 1869 para 2	Residency Report as to the suitability of the Plant sent for the Gas Works.	Title submitted on the Receipt of information from the Superintendent of Gas Works vide Supdg Engineers letter No. 3893 dated 27th October 1869 para 2

3163	1 Dec 69	Residency	Ports Harbours and Backwaters on the Coasts of the Madras Presidency information to be collected and furnished for carrying out improvements &c.	Report sent in vide Supdg Engineers letter No 539 dated 10 May 1870 and further information is being collected.
3555	6 Dec 69	Chingleput and North Arcot	Statements of Irrigation work in the form required by the Secretary of State to be furnished from the year 1854/55.	Returns awaited from Range Officers.
3854	8 Dec 69	North Arcot	Ponneiaur Project	Water investigation, ring made for ascertaining the full capabilities of Pelaur and Sesai Rivers as sources of Irrigation.
107	28 Jan 70	Chingleput and North Arcot	Correct statement of the Districts comprising the Chingleput Collectorate and Correct Statement of the Districts comprising the North Arcot Collectorate.	Complete returns of the Districts comprising the Chingleput Collectorate and Correct Statement of the Districts comprising the North Arcot Collectorate.
314	31 Jan 70	Residency	The subjoint statement is submitted by the Sub-Collector and Assistant.	Included in the Chingleput and North Arcot Statements Nos 2234 dated 26 March 1870.

Supdg Engrs Office
A Division
Madras 21st September 1870

H Rogers Captain RE
Executive Engineer in charge
of Supdg Engineers Office A Div

16

C/e3756.

Govt. of Madras

PUBLIC WORKS.

To The Superintending Engr
4th Circle

Dated.
Rect.

No. 3082.

Nos. 4084411

Unanswered References

Lieut. Lelled from Trichy
Engr Spec 4 asks for Estimate
No Unanswered References
Lieut for the Period ending
1871, 2nd Feb.