M.R.O. 1—77,006—8-6-37.

(1) Number of pages 32

(2) Date of repair 8-1-44

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 3438 Press / Mis.

517-18

Dated 25 10 1869.

Not to be folded or roughly handled

No. 517. Read the following letter from the Acting Superintending Engineer, 4th Division, to the Secretary to Government, Public Works Department, dated Madras, 18th September 1869, No. 3,191 :—

With reference to the Order of Government, No. 84, dated 25th August 1869, I have the honour to forward the accompanying revised list of Orders of Government of more than three months' standing remaining unanswered on the 31st March 1869.

One List.

List of Orders of Government of more than three months' standing up to 31st March 1869, *remaining unanswered by the Superintending Engineer, 4th Division, on the 1st July* 1869.—

Proceedings of Govt.		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 Clive's Battery through in the same order omitted. *Vide* paragraph 7, G. O., No. 83, dated 9th January 1864.
3,521	30th Nov. 1863	Do.	Pulling Punkahs at the General Hospital.	Reported on—*Vide* G. O., No. 2,172, dated 5th July 1869.
1,765	5th June 1868.	Do.		
1,828	10th ,, ,,	Do.		
60	8th Jan. 1864.	Madras.	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.	Madras.	Location of Gun Carriage, Gun Powder, and Bullet Factories, and Arsenal inflammable stores at Saint Thomas' Mount.	Under investigation—*Vide* G. O., of the 14th January 1869, No. 110—*Vide* report, dated 14th September 1869, No. 3,121.
1,471	1st June 1865.			
358	30th Jan. 1866.			
620	22nd Feb. 1866.			
781	9th March 1868.			
2,728	19th Sept. 1864.	Presidency.	Improvements to the Penitentiary.	Plans and estimates for further improvements returned to the Executive Engineer for revision, and will be submitted shortly as they are nearly completed.
1,663	26th May 1866.			
4,079	22nd Dec. 1866.			
2,289	30th July 1867.			
1,899	16th June 1868.			
1,584	9th June 1865.	Do.	New buildings for the Madrissa-i-Azam in Chepauk premises.	Deferred — *Vide* G. O., No. 526, dated 13th February 1866.

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

Proceedings of Govt. No.	Proceedings of Govt. Date.	District.	Subject.	Remarks.
1,783 1,156	6th June 1866. 15th April 1867.	Madras & North Arcot.	Large irrigation schemes to be matured.	Under investigation. Surveyors engaged. 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. 2,643, dated 11th Aug. 1869.
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, dated 5th October 1868.
2,714	Do., paragraph 5.	Do.	Lighting the General Hospital with Gas.	Deferred in paragraph 2 of G. O., No. 3,187, dated 6th October 1866.
3,033	21st Sept. 1866.	Do.	Revised design for a new Civil Debtor's Jail.	Deferred—*Vide* G. O., No. 3,933, dated 13th December 1866.
3,323	18th Oct. 1866.	North Arcot.	New irrigation works recommended in former years in North Arcot District, but which have been laid aside for want of funds.	*Vide* Acting Superintending Engineer's report, dated 22nd May 1869, No. 1,021, and order thereon, No. 2,643, dated 11th August 1869.
3,938	14th Dec. 1866.	Do., paragraph 79.	Estimates for certain works entered in the Budgetof 1867-68, which have not yet been approved of by Government.	Only the three following estimates remain to be submitted in accordance with paragraph 1 of G. O., No. 805, dated 10th March 1868, viz :— 1*st.*—Road for Kunnanmungalum to Pooloor. 2*nd.*—Trivattoor to Old Arcot. 3*rd.*—Arnee to Chetput. The estimates for the 2nd and 3rd roads were sent to Collector for approval, and should be submitted by him to the Board. The first estimate was returned bythe Collector, disapproved of on account of the large amount.
2,204	22nd July 1867.	Presidency.	Erection of a latrine for the use of the employés at Chepauk on a new site.	Plans and estimates submitted with the Superintending Engineer's letter, No. 995, dated 28th May 1868, but returned by the Secretary to Government, Public Works Department, for re-submission, when the various Chepauk improvements have been decided upon.

Proceedings of the Madras Government, Public Works Department, 25th October 1869.

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

Proceedings of Govt. No.	Proceedings of Govt. Date.	District.	Subject.	Remarks.
2,693	3rd Sept. 1867, paragraph 2.	North Arcot.	New irrigation works proposed by Mr. Robinson, Collector of North Arcot.	The four projects referred to in this call are — (1.) Nagalapatta Tank Project. (2.) Mallasveram. do. (3.) Palmanair irrigation do. (4.) Maumbaukum do. The two first are being revised in accordance with the Chief and Superintending Engineer's instructions, the 3rd and the 4th are under investigation—*Vide* report, dated 22nd May 1869, No. 1,021, and order thereon, No. 2,643, dated 11th August 1869.
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.	Madras.	Information regarding the Subsidiary works of the Chembrambaukum Tank to admit of an accurate computation being formed of the remunerative effect of its enlargement.	Will be reported on when full information has been collected.
Do.	Do., paragraph 3.	Do.	To submit a report of the efficiency of certan Subsidiary works proposed to secure a proper supply of water to the Chembrambaukum Tank, together with plans and estimates.	Do. do. do. Estimate for one of the works, viz., constructing sluices at the head of various channels taken off from the Bungaroo channel, sanctioned in Government order, No. 1,323, dated 29th April 1868.
Do.	Do., paragraph 4.	Do.	Expediency of enlarging the proposed calingulah as suggested by the Government of India, and of the means available for utlizing the surplus water of the Chembrambaukum Tank to be reported.	Will be reported on in connection with the revised project when full information has been obtained.
3,950 1080	20th Dec. 1867. 6th April 1868.	Madras, paragraph 26.	Supplemental estimate for the anicut across the Necoijal Madugu.	The project is being surveyed by a Surveyor. Revised estimate awaited from Range offices. A report will be sent in after inspection next month.
420 1,716	7th Feb. 1868. 29th May 1868.	North Arcot, paragraph 2.	Maumbaukum Project. To report when the estimates are likely to be laid before Government.	Report submitted to the Acting Chief Engineer for Irrigation—*Vide* Acting Superintending Engineer's letter, No. 3,096, dated 14th September 1869.

Proceedings of the Madras Government, Public Works Department, 25th October 1869.

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

Proceedings of Govt. No.	Proceedings of Govt. Date.	District.	Subject.	Remarks.
839	13th March 1868, paragraph 1.	North Arcot, paragraph 2.	Plans and estimates for Talook Cutcherries, with Jails, and for entirely new Subsidiary Jails in certain talooks in North Arcot.	The estimate of the Wallajah and Chendragherry Ranges have been submitted. Those for Vellore, Polur, and Chittoor, will be shortly submitted.
1,275	27th April 1868.	Madras.	Revised plans and estimates for the Chembrambaukum Project.	Under preparation; will be ready very shortly.
3,215	12th Oct. 1868.	Do.		
1,716	29th May 1868, paragraph 3.	North Arcot.	Nagaputla, Melcoopum, and Mallisveram Tank Project.	*Vide* remarks above. The second project was sanctioned in G. O., No. 3,759, dated 2nd December 1868.
1,863	13th June 1868.	Presidency.	Proposed upper-story on the western face of the Revenue Board office.	Plans and estimates under preparation by the Executive Officer; will be ready shortly.
2,063	30th June 1863, paragraph 1.	Madras.	Marine Sanitarium at Ennore.	Plans and estimates under preparation by the Executive Engineer.
2,063	30th June 1868, 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 & Madras.	Results of observations made with regard to experiments on velocities and discharge of open channel to be reported.	Reports awaited from Range Officers, and have been called for again; there has been no favourable season for recording results since July 1868.
2,204	10th July 1868.	Presidency.	New latrines at Fort St. George.	Estimate will be submitted in a few days.
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 report was sent to the Acting Chief Engineer on the 16th July 1869, No. 2,078.
3,711	27th Nov. 1868.	.....	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.	Range Officer's report awaited. Estimates entered in the Budget of 1870-71, and will be submitted to Government separately for sanction.
3,780	3rd Dec. 1868.	Presidency & Madras.	Estimate for certain Military works in the Quarter-master General's Budget List for 1869-70.	Estimates for some of these works have been submitted to, and sanctioned by Government.

Proceedings of the Madras Government, Public Works Department, 25th October 1869.

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

Proceedings of Govt. No.	Proceedings of Govt. Date.	District.	Subject.	Remarks.
3,998	22nd Dec. 1868, paragraph 2.	Presidency.	Rough estimate of the alterations and additions required in adapting the Mahal of Goolam Mootaza Khan at Chepauk as a Hospital.	Roported on, and instructions given for a Committee to assemble in G. O., No. 1,059, dated 1st April 1839. Estimates for alterations to Vepery Female Hospital, submitted in letter No. 1,721, dated 30th June 1869, and sanctioned in G. O., No. 2,326, dated 17th July 1869.
409	9th Feb. 1869 ...	Do.	Improvements to the Lying-in-Hospital.	Estimate awaited from Range Officer.
613	25th do. ...	Madras.	Road from Cheyoor to Chotapaukum and Seeshamungalum.	The report required will be submitted shortly.
779	10th March 1869.	Do.	Probationary Assistant Engineer Mr. J. C. Larminie employed on Chembrambaukum Project Works. Special report of his qualifications for independent charge to be submitted.	Will be reported on shortly.
905	19th do. ...	Madras & North Arcot.	Dead-houses to Civil Dispensaries and Hospital wherever required.	Estimates awaited from Range Officers.
912	Do.	Do.	Deepening and widening the East Coast Canal from Madras to Kistnapatam.	Do. do. do. One section of the canal estimated for, and returned with G. O., No. 2,735, dated 20th August 1869.

Madras,
18*th September* 1869.

(Signed) J. BEAN, Lieut.-Colonel, R. E.,
Acting Supg. Engineer, 4th Division.

No. 518. Order thereon, 25th October 1869, No. 3,438.

ESTABLISHMENT, No. 41.

The under-mentioned Orders having been replied to, may be omitted from future Unanswered References List:—

G. O., No. 3,323, 18th October 1866.
" " 420, 7th February 1868.
" " 2,204, 10th July 1868.
" " 2,847, 1st September 1869.
" " 3,998, 22nd December 1868.

Proceedings of the Madras Government, Public Works Department,
25th October 1869.

2. The several requisitions contained in G. O., No. 3,780, of the 3rd December 1868, should have been separately noted as required by paragraph 7 of the Order of the 8th March 1867, No. 702.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer of the 4th Division.

Exd. E. C. Shunker.

4

No. 3191.

Supt. Engrs. Office 4th Divn.
Madras 18th September 1869

From,

Lieut.-Colonel J. Dean R.E.
A.J. Superintending Engineer 4th Divn.

To,

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

Sir,

With reference to the Order of Government No. 84 dated 25th August 1869.

Enclosure 1 List

I have the honor to forward the accompanying Revised List of Orders of Government of more than three months standing remaining unanswered on the 31st March 1869.

I have the honor to be
Sir
Your most obedient &c

J. Dean Lt. Colonel
A. Supt. Engr. 4th Divn.

Remarks

Return of Orders of Government & proceedings thereon Relative to Vessels &c. for the Service of the United States during the year 1864.

23326	23 Feb 1864	Treasury	Steamer Colonel Cross	Hospital & quarters for Officers	Returned with the above order dated 4th January 1864. Granted
23326	23 Feb 1864	Treasury	Steamer Colonel Cross	Hospital & quarters for Officers	Returned with the above order dated 4th January 1864. Granted
3521	8 Mar 63	do	Steamer Baltic	Transport	Returned with the above order dated 4th January 1864. Granted
17665	5 Dec 1865	do	Quarters Steamboat Atlantic	Hospital	Returned with the above order dated 5th July 1865.
15228	10 "	do	Steamer Baltic	Transport	Returned with the above order dated 5th July 1865.
60	8 Aug 64	Quarter Master	Steamer Alliance	Transport	Returned with the above order dated 4th January 1865

849	17 Nov 64	Treasury	Steamer Baltic	Transport	Returned with the above order dated 4th January 1865
13385	4 Aug 65		Quarters for a Public Library		

1211	27 Feb 64	Quarter Master	Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
14271	1st June 65		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
34558	30 Aug 66		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
620	22 Feb 1866		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
781	9 March 65		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864

27228	19 Oct 65		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
16663	16 Aug 66		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
14049	22 March 66	Treasury	Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
22857	30 Aug 67		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864
1899	16 Jan 68		Steamer Baltic	Transport	Vessels required for the Service of the United States during the year 1864

Chief of Orders of Government & proceedings thereon Relative to Vessels &c. for the Service of the United States during the year 1864.

1869	Remarks				
1st July 1865					
Treasury Dept					
Treasury	Do do	District			Judge Advocate

1584	9th Dec 65	Presidency	New buildings for the Madrissa-i-Azam in Cheyunk Premises	Deferred Vide G.O No 526 dated 13th February 1866
1783 1156	6th Dec 66 15th April 67	Madras & North Arcot	Large Irrigation Schemes to be matured	Under investigation. Surveyors engaged. The state of Progress of each Project is described in the Acting Supdg. Engineer's letter No 1021, dated 22nd May 1869. Vide G.O No 2643 dated 11th August 1869.
2714	28th Sept 66 Paragraph 1	Presidency	New Military Hospital	Reference made to the Commander in Chief for determining a site for the building Vide G.O No 3127, dated 5th October 1868.
2714	Do paragraphs	Do	Lighting the General Hospital with Gas.	Deferred in paragraph 2 of G.O. No 3157 dated 6 October 1866.
3133	21st Sept 66	do	Revised design for a new Civil Debtors Jail	Deferred Vide G.O. No 3933 dated 13th December 1866.
3323	18th Oct 66	North Arcot	New irrigation works recommended in former years in North Arcot District, but which have been laid aside for want of funds.	Vide Acting Superintending Engineers report dated 22nd May 1869, No 1021, and Order thereon No 2643 dated 11th August 1869.

2938	14th Dec 66	Northbrook Para 79	Estimates for certain works entered in the Budget of 1867/68 which have not yet been approved of by Government.	Only the three following Estimates remain to be submitted in accordance with para 1 of G.O. No 805, dated 10th March 1868. Viz. 1st Road for Kunnamangalam to Ploor 2d Trivettoor to Old Arcot 3. Arnee to Chittoor. The Estimates for the 2 and 3d roads were sent to Collector for approval and should be submitted by him to the Board. The first Estimate was returned by the Collector disapproved of on account of the large amount.
2204	22d July 69	Broadway	Erection of a Latrine for the use of the Employes at the Chepauk on a new site	Plans and Estimates submitted with the Supt. Engrs Letter No 995 dated 28th May 1868 returned by the Secretary to Government P.W.D. for resubmission when the various Chepauk improvements have been decided upon.
2693	3d Sept 69 Para 2 Arcot	North	New Irrigation works proposed by Mr. Robinson, Collector of North Arcot	The four projects referred to in this Call are. 1 Nagalapatla tank Project 2 Mallaveram do 3 Polonamuti irrigation do 4 Mannleaukum do The two first are being revised

				in accordance with the Chief and Superintending Engineers instructions the 3rd & the 4th are under investigation. Vide report dated 22nd May 1869 No 1021 and order thereon No 2643, dated 11th August 1869.
3500	13th Nov. 69	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.
3808	7th Decr 69	Madras	Information regarding the subsidiary works of the Chembrumbaukum Tank to admit of an accurate computation being formed of the remunerative effect of its enlargement.	Will be reported on when full information has been collected.
do	do	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.	do do do Estimate for one of the works viz Constructing sluices at the head of various channels taken off from the Bungaroo Channel sanctioned in Government order No 1323, dated 29th April 1868
do	do	do	Expediency of enlarging the proposed Calingulah as suggested by the Government of India and of the means available for utilizing the surplus waters of the Chembrumbaukum tank to be reported.	Will be reported on in connection with the revised project when full information has been obtained.

9950 1080	20th Dec 67 Madras 6th April 68 para 26	Supplemental Estimate for the Amount across the Kanjal Madugu	The project is being surveyed by a Surveyor Revised Estimate awaited from Range Officer. A report will be sent in after inspection next months	
4420 1716	7th July 68 North Arcot 29th May 68 para 2	Braunbaukum Project. To report when the Estimates are likely to be laid before Government	Report submitted to the Acting Chief Engineer for Irrigation vide Mr. Lusby. Sirgs letter No 3196 dated 14th September 1869.	
839	13th March 68 do para 1	Plans and Estimates for Salvey Cutchery with jails and for entirely new subsidiary Jails in certain Talleys in North Arcot	The Estimate of the Wallajah and Chendragherry Ranges have been submitted. Those for Vellore, Polur and Chittoor will be shortly submitted.	
275 215	27th Apl 68 Madras 12 October 68 do	Revised Plans and Estimates for the Chem. berumbaukum Project	Under preparation. will be ready very shortly	
1716	29th May 68 North Arcot para 3	Nazapetta, Melcoopum and Walla-varam Tank Project.	Vide Remarks above The second Project was sanctioned in G.O No 3759 dated 22nd December 1868.	
1863	12th June 1868 Board's Mem	Proposed upper story on the Eastern Jaws of the Revenue Board Office	Plans and Estimates under preparation by the Executive Officer. will be ready shortly.	

2063	30th June 68 para 1	Bridgetown	Marine Sanitarium at Enmore	Plans and Estimates under preparation by the Executive Engineer.
2063	30th June 68 para 3	do	To report on the offers made by Messrs Shaw Graham & Darley with regard to their property at Enmore.	The report on Messrs Darleys offer has been submitted in letter No 1014, dated 17th November 1868.
2154	7th July 68	North East & Bridgetown	Results of observations made with regard to experiments on velocities and discharge of open Channel to be reported.	Reports awaited from Range officers, and have been called for again, there has been no favorable season for recording results since July 1868
2204	11 July 1868	Broadway	New Latrines at Fort St George	Estimate will be submitted in a few days.
3215	12th Oct 68 para 2	North East	Plans and Estimates for widening and deepening the Eranch Channel from the main Channel of the Cheapaw (in Connection with the Cheapaw Improvement	A Report enclosing the Executive Engineers report was sent to the Acting Chief Engineer on the 16th July 1869 No 2078.

3711	27th Works		Estimates for the completion of such roads declared to be Imperial in G.O. No 2831 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.	Range Officers report awaited Estimates entered in the Budget of 1870/71 and will be submitted to Government separately for sanction.
3780	3rd Works Presidency & Sea Face		Estimate for certain Military works in the Quarters Master Generals Budget List for 1869/70.	Estimates for some of these works have been submitted to and sanctioned by Government.
3998	22nd Works Presidency para 2		Rough Estimate of the alterations and additions required in adapting the Mahl of Goolam Mootaza Khan at Chepauk as a Hospital	Reported in additions given for a Committee to assemble in G.O. No 1159, dated 1st April 1869. Estimates for alterations to Lyeing Female Hospital submitted in letter No 1721 dated 30th June 1869 and sanctioned in G.O. No 2326 dated 17th July 1869.
109	9th July 69	Presidency	Improvements to the Lyeing in Hospital	Estimate awaited from Range Officer
613	25th do	Madras	Road from Cheyoor to Mahabalipuram and Seeshamangalam	The report required will be submitted shortly.

15

779	10 March 69	Madras	Probationary Assistant Engineer Mr J. C. Carminnie employed on Chemburumbaukum Project wor[k]s. Special Report of his qualifications for an independent charge to be submitted.		Will be reported on shortly
905	19 March 69	Madras Govt. Genl. Dept	Head-Houses to Civil Dispensaries and Hospital wherever required		Estimates awaited from Range Officers.
912	do	do	Deepening and widening the East Coast Canal from Madras to Nistnapatam	do	do do One section of the Canal estimated for, and returned with Gl. O. No 2735 dated 20th August 1869.

Supdg. Engrs Office 4th Divn
Madras 18th September 1869

H. Lean Lieut Colonel R.E.
Acting Supdg. Engineer 4th Divn

To
The Secretary to Government
Public Works Department

GP.

13

P.W. 3971/69.

From 25th October 1869 to No. 517

List

Public Works Department

No. 3638/438

Proceedings of the Madras Government

Under date the 25th October 1869

Read the following

From

The Supt. Engineer of the 4th Division } Hereunto Sir. 3191 dated 18th Sept. 1869

The undermentioned Orders having been replied to, may be omitted from future annexed References lists.

G.O. No. 3823 - 18th October 1866
" " 220 - 7th February 1868
" " 2204 - 10th July 1868
" " 2347 - 1st Sept. 1869
" " 3998 - 22nd December 1868

The several requisitions contained in G.O. No. 3780 of the 8th December 1868, should have been separately noted as required by paragraph 7 of the Order of the 8th March 1867 No. 702

To 20

The Supt. Engineer of the 4th Division / Desp. 26/10/69

Cus. 3971

Govt. of {1869} Madras.

PUBLIC WORKS.

To

The Superintending Engr.
of the 4th Division

Dated 1 :

Recd. 7 Instd

G. O. 25 Octr 1869. No. 3438

Nos. 517 - 518

Unanswered References last

Papers order on the Un-
-answered References last
of the last Engr. of the 4th Div.
for the 2d half of 1868-69.