

- (1) Number of pages 99 sheets with Statement
(2) Date of repair 99 with Statement 18/12/16.
(3) Initials of the Referencer low

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works. DEPARTMENT

O. No. 2361 A & B (W) Press.
P. No. Mis.

Dated 14.10.1880.

197

folded or roughly handled

2361A
1

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

14th October 1880, No. 2,361-A W.

General.
Account.

Read the following papers:—

- No. 53-A. Endorsement in the Military Department, dated 4th August 1880, No. 4,903.
- No. 53-B. From the Superintendent of Works, Presidency, dated 13th August 1880, No. 1,905.
- No. 53-C. From the Director-General of Post Offices of India, dated 19th August 1880, No. 5,807.
- No. 53-D. From the Director-General of Telegraphs in India, dated 4th September 1880, No. 828.
- No. 53-E. From the Commissioner of Salt Revenue, dated 15th September 1880, No. 6,186.
- No. 53-F. From the Master Attendant, Madras, dated 11th September 1880, No. 7,934.
- No. 53-G. From the Superintending Engineer, Second Circle, dated 20th September 1880, No. 291.
- No. 53-H. Read again letter from the Government of India, dated 24th August 1880, No. 366-A G.

BUILDINGS AND ROADS.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1881-82.

Executive Division.	PROJECTS.			Amount of Estimate.	Computed Expenditure up to 31st March 1881.	Estimate for 1881-82.	No.	Remarks.
	No.	Locality.	Description.					
Chingleput.	1	Poonamallee.	IMPERIAL ORDINARY.	RS.	RS.	RS.		
			ORIGINAL.					
			Military Works.					
			New double-storied barracks for 200 men with out-houses.	1,66,335	..	..		
			New quarters for 30 families with out-houses.	82,300	..	..		
			New quarters for Apothecary.	7,150	..	..		
			Alterations to existing buildings and demolitions.	13,476	..	..		
Presidency.	2	Bangalore ..	Deduct value of old materials.	2,74,811	4,305			Sanctioned by the Government of India. Register No. 83 M.W. of 1878-79. G.O. No. 466 W. of 19th February 1879. Item No. 1 of budget of 1880-81. Class A Work. Urgently required.
				2,70,506	40,000	28,000	1	
			Latrines for the regiment, two for males and two for females, Sappers and Miners.	..	..	5,040	2	Estimate awaited. Class A. His Excellency the Commander-in-Chief remarks that this work is much required for sanitary reasons.
				3,600	..	3,000	3	Class A.
			New flooring to latrines of barracks and family quarters at Wellington.	3,204	..	3,204	4	Class A. The work is much needed as there is no store room for the battery.
			Store room for Royal Artillery at Bellary.	2,500	..	2,500	5	Class A. Much needed.
				8,540	..	8,540	6	Class A. Very much required.
Do. ..	6	Do. ..	A covered gymnasium to be erected in the hall alley of the European Regiment at Fort Saint George.	..	..	..		
			Cook room, bath room, store room and warder's room for Military prison; cook room, latrine, and bath room for Provost Sergeant's quarters.	..	..	..		
			New barracks for Royal Artillery.	..	..	..		
				..	..	43,700	7	Class A.
			Total, Major Works ..	..	..	85,024		
			Grant for minor works the estimated cost of which does not exceed Rs. 2,500.	..	..	40,000		
			Repairs ..	..	..	2,50,000		
Chingleput.	7	Saint Thomas' Mount.	Total, Military ..	..	..	3,75,934		
			CIVIL BUILDINGS.					
			ORIGINAL WORKS.					
			Postal Buildings.					
			New Post Office at Madras.	2,45,010	..	50,000	8	Sanctioned by Government of India. Register No. 36 B. of 1878-79. G.O. No. 1,138 of 8th May 1876. Class A. (Part of combined Post and Telegraph Office.)
				..	..	..		
				..	..	..		

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1881-82—cont.

Executive Division.	PROJECTS.			Amount of Estimate.	Computed Expenditure up to 31st March 1881.	Estimate for 1881-82.	No.	Remarks.
	No.	Locality.	Description.					
Tinnevely..	9	Madura ..	CIVIL BUILDINGS—cont.	RS.	RS.	RS.		
			ORIGINAL WORKS—cont.					
			Postal Buildings—cont.					
			Accommodation for Railway mail service at Madura.	..	..	2,500	9	Estimate awaited.
			New Post Office at Cocanada.	..	..	5,000	10	Do.
			Total, Major Works ..	..	..	67,500		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	10,755		
Godavari ..	10	Cocanada ..	Repairs ..	..	..	5,000		
			Total, Postal ..	..	..	73,255		
			Telegraph Buildings.					
			Telegraph Office at Madras.	2,57,192	88,000	1,50,000	11	Sanctioned by the Government of India. Register No. 36 B. of 1876-77. G.O. No. 1,138 of 8th May 1876. Class A. (Part of combined Post and Telegraph Office.)
				..	..	..		
				..	..	..		
				..	..	..		
Consulting Architect.	11	Madras ..	Telegraph Office at Ootacamund.	21,100	10,000	11,100	12	Sanctioned by the Government of India. Register No. 13 B. of 1879-80. Item No. 4 of budget of 1880-81. Class A. Work.
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
West Coast.	12	Ootacamund.	Total, Major Works ..	..	..	1,61,100		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	6,000		
			Repairs ..	..	..	5,000		
			Total, Telegraph ..	..	..	1,71,100		
			Salt.					
			Masonry bridge between the Ganjam pans and Chikka canal.	2,940	..	2,940	13	Sanctioned in G.O. No. 3,276 W. of 12th December 1879. Class A. Estimate awaited. Class B.
			Branch road from Allora to the salt platform.	4,060	..	4,059	14	Sanctioned in G.O. No. 1,274 of 4th April 1877. Class A.
Ganjam ..	15	Merkanam ..	Completing the Puiyaul catch drain.	4,985	483	4,502	15	Sanctioned in G.O. No. 1,378 W. of 14th June 1880. Class A.
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
Nellore ..	16	Ranore ..	Opening and maintaining the Ranore bar.	15,900	10,426	8,054	16	
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
Cuddalore ..	17	Ranore ..	Total, Major Works ..	..	..	19,556		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	10,500		
			Repairs ..	..	..	10,000		
			Total, Salt ..	..	..	40,056		
				..	..	..		
				..	..	..		
				..	..	..		
Buckingham Canal.	18	Ranore ..		..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		
				..	..	..		

2361

1946
8056
9246

2361
3

4 PUBLIC WORKS DEPARTMENT, 14TH OCTOBER 1880, No. 2,361-A W.

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1881-82—cont.

Executive Division.	Projects.			Amount of Estimate.	Computed Expenditure up to 31st March 1881.	Estimate for 1881-82.	No.	Remarks.
	No.	Locality.	Description.					
			MISCELLANEOUS PUBLIC IMPROVEMENT.	RS.	RS.	RS.		
			LIGHT-HOUSES.					
			Original Works.					
Kistna ..	17	False Point Divl.	Construction of a beacon.	..	..	5,540	17	Estimate awaited.
Tinnevely.	18	Muttum ..	Do. of light-house	..	..	75,800	18	Do.
			Total, Major Works ..	..	..	81,340		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,600 each.	..	..	2,500		
			Repairs ..	..	..	2,000		
			Total, Miscellaneous Public Improvement	..	..	85,840		

STATEMENT showing the probable Amount that will be required in the Madras Presidency on account of Imperial Works, &c., for 1881-82 under each Head of Service.

	ORIGINAL WORKS.			Repairs.	Establishment.	Tools.	Total.
	Major Works.	Minor Works.	Total.				
Military ..	RS. 85,984	RS. 40,000	RS. 1,25,984	RS. 2,50,000	RS. 31,495	RS. 3,149	RS. 4,10,629
Other Services.							
Postal Buildings ..	57,500	10,755	68,255	5,000	18,313	1,831	93,399
Telegraph do. ..	1,61,190	5,000	1,66,190	5,000	42,775	4,277	2,18,162
Salt Works ..	19,556	10,500	30,056	10,000	10,014	1,001	61,071
Miscellaneous Public Improvement ..	81,340	2,500	83,840	2,000	21,460	2,146	1,09,446
Total ..	4,05,480	68,755	4,74,235	2,72,000	1,24,058	12,404	8,82,697

No. 53-I.

ORDER THEREON, 14th October 1880, No. 2,361-A W.

ORDERED that the schedule of funds required for Imperial works under Buildings and Roads in 1881-82 be forwarded to the Government of India and circulated to the officers and departments concerned.

2. No time should be lost in the preparation and submission of the necessary plans and estimates for those unsanctioned works which have been entered in the schedule, as no work can find a place in the out-going budget for which plans and estimates have not been duly sanctioned. Full information in regard to the beacon at False Point and the Muttum Light-house should be promptly afforded by the Master Attendant, who should state, in communication with the Public Works Officers

PUBLIC WORKS DEPARTMENT, 14TH OCTOBER 1880, No. 2,361-A W.

5

concerned, whether estimates have at any time been prepared, and if the former work is clearly "Imperial."

(Here enter No. 2,361-B W., dated 14th October 1880.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Superintendent of Works, Buckingham Canal.
do. do., Presidency.
" Consulting Architect.
" Examiner of Public Works Accounts.
" Military Department.
" Public do.
" Financial do.
" Marine do.
" Revenue do.
" Commissioner of Salt Revenue.
" Master Attendant.
" Postmaster-General, Madras.
" Superintendent of Telegraphs, Madras Division.

Ed. E. O. Shunker
Spare Copies

GENERAL
ACCOUNT.

Govt. of (1880) Madras.
PUBLIC WORKS.

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated October, 14th.

Encl.

Recd.

Encl.

G. O., 14th October 1880, No. 2,361-A W.

OCTOBER.

Nos. 53-A-53-I

Schedule of Imperial requirements on
account of Public Works under Buildings
and Roads for the Madras Presidency for
1881-82. Ordered that the — be forward-
ed to the Government of India.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th October 1880, No. 2,361-A W.

General.
Account.

Read the following papers:—

- No. 53-A. Endorsement in the Military Department, dated 4th August 1880, No. 4,903.
- No. 53-B. From the Superintendent of Works, Presidency, dated 13th August 1880, No. 1,905.
- No. 53-C. From the Director-General of Post Offices of India, dated 19th August 1880, No. 5,807.
- No. 53-D. From the Director-General of Telegraphs in India, dated 4th September 1880, No. 828.
- No. 53-E. From the Commissioner of Salt Revenue, dated 15th September 1880, No. 6,186.
- No. 53-F. From the Master Attendant, Madras, dated 11th September 1880, No. 7,934.
- No. 53-G. From the Superintending Engineer, Second Circle, dated 20th September 1880, No. 291.
- No. 53-H. Read again letter from the Government of India, dated 24th August 1880, No. 366-A G.

2361
4

BUILDINGS AND ROADS.

SCHEDULE of the probable requirements of the Madras Presidency on account of Imperial Works for 1881-82.

Executive Division.	PROJECTS.			Amount of Estimate.	Computed Expenditure up to 31st March 1881.	Estimate for 1881-82.	No.	Remarks.
	No.	Locality.	Description.					
Chingleput.	1	Poonamallee.	IMPERIAL ORDINARY.	RS.	RS.	RS.		
			ORIGINAL.					
			Military Works.					
			New double-storied barracks for 200 men with out-houses.	1,66,885	..	..		
			New quarters for 30 families with out-houses.	82,300	..	..		
			New quarters for Apothecary.	7,150	..	..		
			Alterations to existing buildings and demolitions.	18,478	..	..		
			Deduct value of old materials.	2,74,811	..	..		
				4,395				
								Sanctioned by the Government of India. Register No. 83 M.W. of 1878-79. G.O. No. 465 W. of 19th February 1879. Item No. 1 of budget of 1880-81. Class A Work. Urgently required.
Presidency.	2	Bangalore ..	Latrines for the regiment, two for males and two for females, Sappers and Miners.	2,79,506	40,000	20,000	1	Estimate awaited. Class A. His Excellency the Commander-in-Chief remarks that this work is much required for sanitary reasons.
West Coast.	3	Wellington ..	New flooring to latrines of barracks and family quarters at Wellington.	3,000	..	3,000	3	Class A.
Cuddapah ..	4	Bellary ..	Store room for Royal Artillery at Bellary.	3,204	..	3,204	4	Class A. The work is much needed as there is no store room for the battery.
Presidency.	5	Fort Saint George.	A covered gymnasium to be erected in the ball alley of the European Regiment at Fort Saint George.	2,500	..	2,500	5	Class A. Much needed.
Do. ..	6	Do. ..	Cook room, bath room, store room and warder's room for Military prison; cook room, latrine, and bath room for Provost Sergeant's quarters.	8,540	..	8,540	6	Class A. Very much required.
Chingleput.	7	Saint Thomas Mount.	New barracks for Royal Artillery.	..	..	45,700	7	Class A.
			Total, Major Works ..	..	..	55,984		
			Grant for minor works the estimated cost of which does not exceed Rs. 2,500.	..	..	40,000		
			Repairs ..	..	..	..		
			Total, Military ..	..	..	2,50,000		
			CIVIL BUILDINGS.	..	..	3,76,984		
			ORIGINAL WORKS.					
Consulting Architect.	8	Madras ..	Postal Buildings.					
			New Post Office at Madras.	2,45,015	..	50,000	8	Sanctioned by Government of India. Register No. 36 B. of 1876-77. G.O. No. 1,138 of 8th May 1876. Class A. (Part of combined Post and Telegraph Office.)

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1881-82—cont.

Executive Division.	PROJECTS.			Amount of Estimate.	Computed Expenditure up to 31st March 1881.	Estimate for 1881-82.	No.	Remarks.
	No.	Locality.	Description.					
Tinnevely..	9	Madura ..	CIVIL BUILDINGS—cont.	RS.	RS.	RS.		
			ORIGINAL WORKS—cont.					
			Postal Buildings—cont.					
			Accommodation for Railway mail service at Madura.	..	..	2,500	9	Estimate awaited.
			New Post Office at Cocanada.	..	..	5,000	10	Do.
			Total, Major Works ..	..	..	57,500		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	10,755		
			Repairs ..	..	..	5,000		
			Total, Postal ..	..	..	73,255		
			Telegraph Buildings.					
Consulting Architect.	11	Madras ..	Telegraph Office at Madras.	2,57,192	88,000	1,50,000	11	Sanctioned by the Government of India. Register No. 36 B. of 1876-77. G.O. No. 1,138 of 8th May 1876. Class A. (Part of combined Post and Telegraph Office.)
West Coast.	12	Ootacamund.	Telegraph Office at Ootacamund.	21,100	10,000	11,100	12	Sanctioned by the Government of India. Register No. 13 B. of 1879-80. Item No. 4 of budget of 1880-81. Class A. Work.
			Total, Major Works ..	..	..	1,61,100		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	5,000		
			Repairs ..	..	..	5,000		
			Total, Telegraph ..	..	..	1,71,100		
			Salt.					
Ganjam ..	13	Ganjam ..	Masonry bridge between the Ganjam pans and Chilka canal.	2,940	..	2,940	13	Sanctioned in G.O. No. 3,276 W. of 19th December 1879. Class A.
Nellore ..	14	Iskapailee ..	Branch road from Alloru to the salt platform.	4,060	..	4,060	14	Estimate awaited. Class B.
Cuddalore ..	15	Merkunam ..	Completing the Pulyankal catch drain.	4,935	433	4,502	15	Sanctioned in G.O. No. 1,274 of 4th April 1877. Class A.
Buckingham Canal.	16	Ennore ..	Opening and maintaining the Ennore bar.	18,300	10,426	8,054	16	Sanctioned in G.O. No. 1,379 W. of 14th June 1880. Class A.
			Total, Major Works ..	..	..	19,556		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	10,500		
			Repairs ..	..	..	10,000		
			Total, Salt ..	..	..	40,056		

2361
6

Schedule of the probable requirements of the Madras Presidency on account of Imperial Works for 1881-82—cont.

Executive Division.	PROJECTS.			Amount of Est. made.	Computed Expenditure up to 31st March 1881.	Estimate for 1881-82.	No.	Remarks.
	No.	Locality.	Description.					
			MISCELLANEOUS PUBLIC IMPROVEMENT.	RS.	RS.	RS.		
			Light-houses.					
			Original Works.					
Kistna	17	False Point	Construction of a beacon.	..	..	5,540	17	Estimate awaited.
Tinnevely.	18	Muttum	Do. of light-house	..	..	75,800	18	Do.
			Total, Major Works ..	..	..	51,310		
			Grant for Minor Works the estimated cost of which does not exceed Rs. 2,500 each.	..	..	2,500		
			Repairs ..	..	..	2,000		
			Total, Miscellaneous Public Improvement.	..	..	86,340		

STATEMENT showing the probable Amount that will be required in the Madras Presidency on account of Imperial Works, &c., for 1881-82 under each Head of Service.

	ORIGINAL WORKS.			Repairs.	Establishment.	Tools.	Total.
	Major Works.	Minor Works.	Total.				
Military ..	RS. 85,994	RS. 49,000	RS. 1,25,994	RS. 2,50,000	RS. 31,436	RS. 3,149	RS. 4,10,529
Postal Buildings	57,593	10,753	68,346	5,000	18,312	1,831	93,399
Telegraph do.	1,07,100	5,000	1,12,100	5,000	42,773	4,277	2,18,152
Salt Works	19,586	10,500	30,086	10,096	10,014	1,001	51,071
Miscellaneous Public Improvement ..	81,340	2,500	83,840	2,000	21,460	2,146	1,09,446
Total ..	4,05,489	68,753	4,74,242	2,72,000	1,24,558	12,404	8,82,697

No. 53-I. ORDER THEREON, 14th October 1880, No. 2,361-A W.

ORDERED that the schedule of funds required for Imperial works under Buildings and Roads in 1881-82 be forwarded to the Government of India and circulated to the officers and departments concerned.

2. No time should be lost in the preparation and submission of the necessary plans and estimates for those unsanctioned works which have been entered in the schedule, as no work can find a place in the out-going budget for which plans and estimates have not been duly sanctioned. Full information in regard to the beacon at False Point and the Muttum Light-house should be promptly afforded by the Master Attendant, who should state, in communication with the Public Works Officers

concerned, whether estimates have at any time been prepared, and if the former work is clearly "Imperial."

(Here enter No. 2,361-B W., dated 14th October 1880.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

- To Superintending Engineers.
- To the Superintendent of Works, Buckingham Canal.
- do. do., Presidency.
- " Consulting Architect.
- " Examiner of Public Works Accounts.
- " Military Department.
- " Public do.
- " Financial do.
- " Marine do.
- " Revenue do.
- " Commissioner of Salt Revenue.
- " Master Attendant.
- " Postmaster-General, Madras.
- " Superintendent of Telegraphs, Madras Division.

Ext. E. C. Shunker.
Spare Copies

GENERAL
ACCOUNT

Cable of (1880) 30
PUBLIC WORKS.

To
SUPERINTENDING ENGINEERS

Dated October, 1880.

By

Recd.

G. O., 14th October 1880, No. 2361-A W.

OCTOBER

Nos. 53-A-53-L

Schedule of Imperial requirements
of Public Works under Buildings
and Roads for the Madras Presidency
1881-82. Ordered that the — be forwarded
to the Government of India.

PUBLIC WORKS DEPARTMENT.

General
Account

No. 2,361-B W.

No. 53-J.

FROM

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
Public Works Department,

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

SIR,—With reference to the orders of the Government of India, No. 366-A G., of the 24th August 1880, I am directed to forward the schedule of Imperial requirements on account of Public Works under Buildings and Roads for the Madras Presidency for 1881-82.

2. The seven Military works entered in the list have been carefully selected from those brought forward by local Military authorities, and decided upon as of pressing and indispensable importance in communication with His Excellency the Commander-in-Chief.

3. In regard to the demand of Rs. 40,000 for Minor Works, Military, I am directed to observe that, although this Government still consider a very much larger reserve necessary, they will not, in deference to the opinion expressed by the Government of India, again re-open the question.

4. The only other entry in the schedule which calls for special remark is the increased demand under Other Services, Repairs, Salt. It will be observed that the amount set down is slightly more than double the sum requested for the same purpose for the current year, and as required under Clause IV, paragraph 4, of Government of India Resolution, No. 422—39 A.G., of the 7th August 1873, I am directed to explain that the cause of this increase is the transfer from Provincial to Imperial of the annual maintenance allowance of Rs. 5,000 for the Vedarniem Canal, which is a work kept up solely in the interests of the Salt Department.

I have the honor to be,

Sir,

Your most obedient servant,

Major, R.E.,
Under Secy. to Govt., P.W.D.

FORT ST. GEORGE,
14th October 1880.

Exd. E. C. Shunker.
Spare Copies

2361
7

GENERAL.
ACCOUNT.

Govt. of (1880) Madras.
PUBLIC WORKS.

To
THE SECRETARY TO THE
GOVERNMENT OF INDIA.

Dated October, 14th.

Amtd.

Recd.

Encl.

G. O., 14th October 1880, No. 2,361-B W.

OCTOBER.

No. 53-J.

Forwarding the schedule of Imperial
requirements on account of Public Works
under Buildings and Roads for the Madras
Presidency for 1881-82.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 2,361-B W.

No. 53-J.

FROM

THE SECRETARY TO THE GOVERNMENT OF MADRAS,
Public Works Department.

TO

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

SIR,—With reference to the orders of the Government of India, No. 366-A G., of the 24th August 1880, I am directed to forward the schedule of Imperial requirements on account of Public Works under Buildings and Roads for the Madras Presidency for 1881-82.

2. The seven Military works entered in the list have been carefully selected from those brought forward by local Military authorities, and decided upon as of pressing and indispensable importance in communication with His Excellency the Commander-in-Chief.

3. In regard to the demand of Rs. 40,000 for Minor Works, Military, I am directed to observe that, although this Government still consider a very much larger reserve necessary, they will not, in deference to the opinion expressed by the Government of India, again re-open the question.

4. The only other entry in the schedule which calls for special remark is the increased demand under Other Services, Repairs, Salt. It will be observed that the amount set down is slightly more than double the sum requested for the same purpose for the current year, and as required under Clause IV, paragraph 4, of Government of India Resolution, No. 422—39 A.G., of the 7th August 1873, I am directed to explain that the cause of this increase is the transfer from Provincial to Imperial of the annual maintenance allowance of Rs. 5,000 for the Vedarnem Canal, which is a work kept up solely in the interests of the Salt Department.

I have the honor to be,

Sir,

Your most obedient servant,

Major, R.E.,
Under Secy. to Govt., P.W.D.

FORT ST. GEORGE,
14th October 1880.

Exd. E. C. Shunker.
Spare Copies.

2861
9

GENERAL
ACCOUNT.

Govt. of (1880) Madras
PUBLIC WORKS.

SECRETARY TO THE
GOVERNMENT OF INDIA

Dated October, 14th

Received

Read

File

G. O., 14th October 1880, No. 2,361-B W.

OCTOBER.

No. 63-J.

Forwarding the schedule of Imperial
requirements on account of Public Works
under Buildings and Roads for the Madras
Presidency for 1881-82.

2361/11
GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th June 1880, No. 1,379 W.

Buildings and Roads.

Civil Works.

Read the following papers:—

No. 26. From Captain A. AWDRY, R.E., Superintendent of Works, Buckingham Canal, to the Chief Engineer, Public Works Department, dated Covelong, 12th May 1880, No. 473.

I HAVE the honor to inform you, with reference to your No. 1,295 of the 8th instant, that an estimate was forwarded yesterday to the Salt Commissioner, amounting to Rs. 18,300, for the requirements of the Ennore Bar to the end of 1880-81, which amount includes the Rs. 386 spent last year, so Rs. 17,914 are required in this year.

2. I much regret the delay which has occurred in sending in the estimate, but it was next to impossible to frame anything reliable, owing to the perpetual changes in the nature of the openings caused by changes in direction and force of winds and currents which had to be met immediately on their occurrence.

3. In spite of all our efforts the Ennore Bar was closed by the action of the high southerly winds on the morning of the 7th instant, but a fresh cut is being made now to serve at once for a time, and a better cut near Messrs. Binny and Co.'s bungalow at the south end of the sand bank has been estimated for to be opened as soon as suitable opportunity offers, as the site is far better than that of the bar just closed.

No. 26-A. From the same Officer, dated Kistnapatam, 24th May 1880, No. 613.

I HAVE the honor to submit estimates with descriptions of the works for "maintaining the Ennore Bar open" and for "opening it" in a better place near Messrs. Binny and Co.'s bungalow, where the opening is likely to be more permanent.

- 1 Sketch.
- 1 Section.
- 1 Specification Report.
- 1 Detailed Estimate.
- 2 Abstract Estimates.

2. The former estimate amounts to Rs. 10,425, which includes work already done in preventing the bar closing, and further work required to keep the opening going until the new cut is made as proposed in the second estimate which amounts to Rs. 7,875.

3. On the 5th March the Assistant Commissioner of Salt Revenue wrote to the Superintending Engineer, Third Circle, to inform him that the Ennore Bar was closing, but that it was necessary that it should be kept open for the operations of the salt manufacture, the Superintending Engineer transferred the letter to me and I put the matter in hand at once directing Mr. Ottmann to run out a temporary groyne of piles and sand bags 450 feet to the south of the bar to take the long-shore current off it, and at the same time to set gangs of work-people to disturb the edges of the bar opening at receding tides so that the outward flow of the water might cut the opening wide. This has succeeded to a certain extent with the assistance of cuts made through the sand shoals as they formed in the backwater, but the backwater is very much shallowed behind and the direction of the bar opening got more and more to the northward until on the 7th instant the action of the strong southerly winds closed it. It has opened again slightly and must be maintained open if possible by making the cut C and protecting its entrance on the southern side.

4. It will be necessary however to make an entirely fresh opening through the bar in a better situation than the present one, which is too far to the north to get the outward rush of the water from the backwater with much force, and the consequence appears to be that the backwater is very shallow behind the bar. The best place is undoubtedly the south end of the sand bank or bar next to Messrs. Binny and Co.'s property, the backwater behind the bar at this point is very deep and opens straight upon the broad lake so that the situation is a very suitable one.

5. The estimate for opening this bar includes a groyne the cost of which is based on the actuals of the similar groyne now built for protecting the present opening after making allowance for the value of old materials to be secured if possible from the present groyne and employed in its construction for cutting through the beach, making a ring bund round the head of the cut, and maintaining it open after it has been opened out. I hope that this cut may be ready in time for any such heavy storm as usually occurs in this or next month to scour it out by the full depth of the backwater behind it.

6. I have the honor to request sanction and an appropriation of Rs. 17,914 as Rs. 386 were expended in last year. The estimates have been countersigned by the Commissioner for Salt Revenue in whose interests solely the work is necessary.

No. 26-B. From the same Officer, dated Pambali, 27th May 1880, No. 659.

I HAVE the honor to inform you that I have just received reports from the Sub-division Officers that the Ennore and Covelong Bars have closed. The Covelong Bar was opened on the 26th March and maintained open since that date, and the Ennore Bar has been maintained open, with the exception of an interval of a day or two since March, when it began to show signs of closing.

2. As the Commissioner of Salt Revenue considers it absolutely necessary to maintain these bars open, I have in anticipation of sanction authorised Mr. Ottmann to commence the operations for opening the Ennore Bar at its south end near Messrs. Binny and Co.'s property (on the estimate countersigned by the Commissioner of Salt Revenue and forwarded to you with my No. 613 of the 24th instant), taking care to protect their property from injury by groynes and revetments of piles and sand bags if any set of the current should appear likely to give rise to damage.

3. Conductor Power (in my absence from head-quarters), when the Covelong Bar closed on the night of the 20th instant, immediately communicated with the Salt Department, and, ascertaining from Mr. Ricketts that it was absolutely necessary to re-open the bar, he has framed an estimate amounting to Rs. 5,700 which I have sent to the Commissioner of Salt Revenue for countersignature and will forward to you in due course for sanction; in the meanwhile as the work is emergent he has put it in hand and I have informed him that I approve of his action in doing so; he has twice running successfully opened this bar and is acting on precisely similar principles in the present case, but is putting the groyne 700 instead of 450 feet to the south of the opening, as the former distance is too small for the groyne to last for long as a protection during the prevalence of strong winds. The Covelong Bar was, on the evening of the 20th instant, running well, the water being 45 feet wide and 4 feet deep, but very high winds closed it up entirely during the night. The new opening will be made further to the south where rocks afford some protection and where the backwater is deep behind the bar, I at former inspections of the bar had arrived at the conclusion that this was the point to be tried next and that in high winds the groyne should be further off than when the weather is quieter.

4. I trust that my action in putting these two works in hand at once will meet with your approval and sanction.

P.S.—Ennore 31st May. Since drafting the enclosed and while it was being copied for my signature I learn that in the full moon high tide the waves came into the Ennore backwater over the bank thrown up, when the bar closed, and re-opened it on the 26th instant. This occurred also on 7th instant the bar being

only closed for a couple of days, re-opening on 9th instant. The opening is however so shallow and backwater behind it so unsatisfactory that I am pushing on the cut at the south end of the bank near Messrs. Binny and Co.'s property so as to be ready for a shower of rain to breach it through.—A. A.

No. 27. ORDER THEREON, 14th June 1880, No. 1,379 W.

THE estimates, amounting in the aggregate to Rs. 18,300, for "maintaining the Ennore Bar open" and for "re-opening it in a better place," are sanctioned.

2. As the amount at the disposal of Government under Reserve "Salt" is insufficient to meet the demands under this head of service, it will be decided what appropriation of funds can be made for this work when the statement of incomplete works comes under consideration.

3. The action of the Superintendent of Works is approved, but he will carry out only such works as are really emergent leaving the rest to be proceeded with and paid for in the next official year.

4. This sanction has been registered as Imperial No. 5 B. of 1880-81.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Government, P.W.D.

To the Superintendent of Works, Buckingham Canal, with 5 Enclosures.
" Examiner of Public Works Accounts, with Estimate.
" Revenue Department.
" Commissioner of Salt Revenue.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of 1880 Madras.
PUBLIC WORKS.

To
THE SUPERINTENDENT OF WORKS,
BUCKINGHAM CANAL.

Dated June, 14th.

Issued

Recd.

Encl.

G. O., 14th June 1880, No. 1,379 W.

JUNE.
Nos. 26-27.

Enmore Bar.—Estimate of Rs. 18,800 for
"maintaining the — open" and for "re-
opening it in a better place," sanctioned.

QUARTERMASTER-GENERAL'S OFFICE,
Hd. Qr. Cochin
2d August 1880.

No. 816.

23 51
29 13

From

BRIGADIER-GENERAL H. O'CONNELL,
Quartermaster-General;

To

Colonel J. Michael C. I. I.
Secretary to Government
Military Department.

Sir,

I have the honor, by order, to forward the
accompanying Lists of Military Major and Minor Works
to be provided for with funds in the Budget Estimate of
1881-82.

In the Lists are also included works
which have been approved by His Excellency the
Commander in Chief for execution when funds are
available.

I have the honor to be,
Sir,

Your obedient servant,

H. O'Connell Brig. General.

Quartermaster-General.

The Military demand is
 R 6,14,813 - including only
 R 20,000 for the new barracks
 at Ponnammallu which amounts
 to 2,70,000

The number of troops (British)
 within the Presidency is 1,500
 adding also the 67th Madras
 Regiment from the N.W. appears

to the Artillery	1267
Cavalry	464
Infantry	{ 1325
	{ 914
	<hr/> 3970

Say 4000 -

The demand therefore equals
 approximately R 153. for
 each effective man for the

P.W.D.
 632880
 No. 5000

Mr. P. W. D. Clerk
 Mr. P. W. D. Clerk
 Mr. P. W. D. Clerk

23rd 3rd August

Mr. P. W. D. Clerk
 Mr. P. W. D. Clerk
 Mr. P. W. D. Clerk

Mr. P. W. D. Clerk
 Mr. P. W. D. Clerk
 Mr. P. W. D. Clerk

267-7-8-80	50-26-8-80-3389.10
268-7-8-80	15-2-79-757.8
269-7-8-80	19-10-79-1123.8
270-7-8-80	20-9-79-111.1
271-7-8-80	21-10-79-111.1
272-7-8-80	22-10-79-111.1
273-7-8-80	23-10-79-111.1
274-7-8-80	24-10-79-111.1
275-7-8-80	25-10-79-111.1
276-7-8-80	26-10-79-111.1
277-7-8-80	27-10-79-111.1
278-7-8-80	28-10-79-111.1
279-7-8-80	29-10-79-111.1
280-7-8-80	30-10-79-111.1
281-7-8-80	31-10-79-111.1
282-7-8-80	1-11-79-111.1
283-7-8-80	2-11-79-111.1
284-7-8-80	3-11-79-111.1
285-7-8-80	4-11-79-111.1
286-7-8-80	5-11-79-111.1
287-7-8-80	6-11-79-111.1
288-7-8-80	7-11-79-111.1
289-7-8-80	8-11-79-111.1
290-7-8-80	9-11-79-111.1
291-7-8-80	10-11-79-111.1
292-7-8-80	11-11-79-111.1
293-7-8-80	12-11-79-111.1
294-7-8-80	13-11-79-111.1
295-7-8-80	14-11-79-111.1
296-7-8-80	15-11-79-111.1
297-7-8-80	16-11-79-111.1
298-7-8-80	17-11-79-111.1
299-7-8-80	18-11-79-111.1
300-7-8-80	19-11-79-111.1
301-7-8-80	20-11-79-111.1
302-7-8-80	21-11-79-111.1
303-7-8-80	22-11-79-111.1
304-7-8-80	23-11-79-111.1
305-7-8-80	24-11-79-111.1
306-7-8-80	25-11-79-111.1
307-7-8-80	26-11-79-111.1
308-7-8-80	27-11-79-111.1
309-7-8-80	28-11-79-111.1
310-7-8-80	29-11-79-111.1
311-7-8-80	30-11-79-111.1
312-7-8-80	1-12-79-111.1
313-7-8-80	2-12-79-111.1
314-7-8-80	3-12-79-111.1
315-7-8-80	4-12-79-111.1
316-7-8-80	5-12-79-111.1
317-7-8-80	6-12-79-111.1
318-7-8-80	7-12-79-111.1
319-7-8-80	8-12-79-111.1
320-7-8-80	9-12-79-111.1
321-7-8-80	10-12-79-111.1
322-7-8-80	11-12-79-111.1
323-7-8-80	12-12-79-111.1
324-7-8-80	13-12-79-111.1
325-7-8-80	14-12-79-111.1
326-7-8-80	15-12-79-111.1
327-7-8-80	16-12-79-111.1
328-7-8-80	17-12-79-111.1
329-7-8-80	18-12-79-111.1
330-7-8-80	19-12-79-111.1
331-7-8-80	20-12-79-111.1
332-7-8-80	21-12-79-111.1
333-7-8-80	22-12-79-111.1
334-7-8-80	23-12-79-111.1
335-7-8-80	24-12-79-111.1
336-7-8-80	25-12-79-111.1
337-7-8-80	26-12-79-111.1
338-7-8-80	27-12-79-111.1
339-7-8-80	28-12-79-111.1
340-7-8-80	29-12-79-111.1
341-7-8-80	30-12-79-111.1
342-7-8-80	31-12-79-111.1
343-7-8-80	1-1-80-111.1
344-7-8-80	2-1-80-111.1
345-7-8-80	3-1-80-111.1
346-7-8-80	4-1-80-111.1
347-7-8-80	5-1-80-111.1
348-7-8-80	6-1-80-111.1
349-7-8-80	7-1-80-111.1
350-7-8-80	8-1-80-111.1
351-7-8-80	9-1-80-111.1
352-7-8-80	10-1-80-111.1
353-7-8-80	11-1-80-111.1
354-7-8-80	12-1-80-111.1
355-7-8-80	13-1-80-111.1
356-7-8-80	14-1-80-111.1
357-7-8-80	15-1-80-111.1
358-7-8-80	16-1-80-111.1
359-7-8-80	17-1-80-111.1
360-7-8-80	18-1-80-111.1
361-7-8-80	19-1-80-111.1
362-7-8-80	20-1-80-111.1
363-7-8-80	21-1-80-111.1
364-7-8-80	22-1-80-111.1
365-7-8-80	23-1-80-111.1
366-7-8-80	24-1-80-111.1
367-7-8-80	25-1-80-111.1
368-7-8-80	26-1-80-111.1
369-7-8-80	27-1-80-111.1
370-7-8-80	28-1-80-111.1
371-7-8-80	29-1-80-111.1
372-7-8-80	30-1-80-111.1
373-7-8-80	31-1-80-111.1
374-7-8-80	1-2-80-111.1
375-7-8-80	2-2-80-111.1
376-7-8-80	3-2-80-111.1
377-7-8-80	4-2-80-111.1
378-7-8-80	5-2-80-111.1
379-7-8-80	6-2-80-111.1
380-7-8-80	7-2-80-111.1
381-7-8-80	8-2-80-111.1
382-7-8-80	9-2-80-111.1
383-7-8-80	10-2-80-111.1
384-7-8-80	11-2-80-111.1
385-7-8-80	12-2-80-111.1
386-7-8-80	13-2-80-111.1
387-7-8-80	14-2-80-111.1
388-7-8-80	15-2-80-111.1
389-7-8-80	16-2-80-111.1
390-7-8-80	17-2-80-111.1
391-7-8-80	18-2-80-111.1
392-7-8-80	19-2-80-111.1
393-7-8-80	20-2-80-111.1
394-7-8-80	21-2-80-111.1
395-7-8-80	22-2-80-111.1
396-7-8-80	23-2-80-111.1
397-7-8-80	24-2-80-111.1
398-7-8-80	25-2-80-111.1
399-7-8-80	26-2-80-111.1
400-7-8-80	27-2-80-111.1
401-7-8-80	28-2-80-111.1
402-7-8-80	29-2-80-111.1
403-7-8-80	30-2-80-111.1
404-7-8-80	31-2-80-111.1
405-7-8-80	1-3-80-111.1
406-7-8-80	2-3-80-111.1
407-7-8-80	3-3-80-111.1
408-7-8-80	4-3-80-111.1
409-7-8-80	5-3-80-111.1
410-7-8-80	6-3-80-111.1
411-7-8-80	7-3-80-111.1
412-7-8-80	8-3-80-111.1
413-7-8-80	9-3-80-111.1
414-7-8-80	10-3-80-111.1
415-7-8-80	11-3-80-111.1
416-7-8-80	12-3-80-111.1
417-7-8-80	13-3-80-111.1
418-7-8-80	14-3-80-111.1
419-7-8-80	15-3-80-111.1
420-7-8-80	16-3-80-111.1
421-7-8-80	17-3-80-111.1
422-7-8-80	18-3-80-111.1
423-7-8-80	19-3-80-111.1
424-7-8-80	20-3-80-111.1
425-7-8-80	21-3-80-111.1
426-7-8-80	22-3-80-111.1
427-7-8-80	23-3-80-111.1
428-7-8-80	24-3-80-111.1
429-7-8-80	25-3-80-111.1
430-7-8-80	26-3-80-111.1
431-7-8-80	27-3-80-111.1
432-7-8-80	28-3-80-111.1
433-7-8-80	29-3-80-111.1
434-7-8-80	30-3-80-111.1
435-7-8-80	31-3-80-111.1
436-7-8-80	1-4-80-111.1
437-7-8-80	2-4-80-111.1
438-7-8-80	3-4-80-111.1
439-7-8-80	4-4-80-111.1
440-7-8-80	5-4-80-111.1
441-7-8-80	6-4-80-111.1
442-7-8-80	7-4-80-111.1
443-7-8-80	8-4-80-111.1
444-7-8-80	9-4-80-111.1
445-7-8-80	10-4-80-111.1
446-7-8-80	11-4-80-111.1
447-7-8-80	12-4-80-111.1
448-7-8-80	13-4-80-111.1
449-7-8-80	14-4-80-111.1
450-7-8-80	15-4-80-111.1
451-7-8-80	16-4-80-111.1
452-7-8-80	17-4-80-111.1
453-7-8-80	18-4-80-111.1
454-7-8-80	19-4-80-111.1
455-7-8-80	20-4-80-111.1
456-7-8-80	21-4-80-111.1
457-7-8-80	22-4-80-111.1
458-7-8-80	23-4-80-111.1
459-7-8-80	24-4-80-111.1
460-7-8-80	25-4-80-111.1
461-7-8-80	26-4-80-111.1
462-7-8-80	27-4-80-111.1
463-7-8-80	28-4-80-111.1
464-7-8-80	29-4-80-111.1
465-7-8-80	30-4-80-111.1
466-7-8-80	31-4-80-111.1
467-7-8-80	1-5-80-111.1
468-7-8-80	2-5-80-111.1
469-7-8-80	3-5-80-111.1
470-7-8-80	4-5-80-111.1
471-7-8-80	5-5-80-111.1
472-7-8-80	6-5-80-111.1
473-7-8-80	7-5-80-111.1
474-7-8-80	8-5-80-111.1
475-7-8-80	9-5-80-111.1
476-7-8-80	10-5-80-111.1
477-7-8-80	11-5-80-111.1
478-7-8-80	12-5-80-111.1
479-7-8-80	13-5-80-111.1
480-7-8-80	14-5-80-111.1
481-7-8-80	15-5-80-111.1
482-7-8-80	16-5-80-111.1
483-7-8-80	17-5-80-111.1
484-7-8-80	18-5-80-111.1
485-7-8-80	19-5-80-111.1
486-7-8-80	20-5-80-111.1
487-7-8-80	21-5-80-111.1
488-7-8-80	22-5-80-111.1
489-7-8-80	23-5-80-111.1
490-7-8-80	24-5-80-111.1
491-7-8-80	25-5-80-111.1
492-7-8-80	26-5-80-111.1
493-7-8-80	27-5-80-111.1
494-7-8-80	28-5-80-111.1
495-7-8-80	29-5-80-111.1
496-7-8-80	30-5-80-111.1
497-7-8-80	31-5-80-111.1
498-7-8-80	1-6-80-111.1
499-7-8-80	2-6-80-111.1
500-7-8-80	3-6-80-111.1

Cir 13-9-80. Del 20-9-80.
 O.L. Incl. 2 Sept.
 O.L. 10-9-80 again 23-9-80.

Years expense -

The amount is divisible into

New Works 90.5

Repairs 62.5

a demand of R 153 -

giving R 90.5 per man per year
worth notwithstanding an actual
expenditure - ~~also~~ annually which

in 5 years 1873 - 8 averaged R 47

per annum per man in addition
to an annual average repairs
expenditure of R 30 per man
per an -

The Military demands have
no doubt been much more
thoroughly sustained of late in the
interests of economy - of the waterworks
of H.L. The Lin C but I have
no hesitation in recording my
opinion that the demands

286/36
maybe much further reduced
that the works proposed are
not as a rule essential to
the reasonable comfort or the
health of the soldier -

I have no doubt my opinion
may not in many points
coincide with that of the Military
officers - but the demands of the
Military expenses are so great
and the amount which might
be devoted from this source
to beneficial productive works
for the advantage of the people
so considerable that I feel
bound to express the opinion
I hold -

Analysing the list of works
included in the demand -

No 2 & 3 are only supposed to be
necessary in consequence of a
desired removal from the
present site at the instigation
of the Farm authorities -

I have repeatedly visited the
farm & the buildings - I
do not consider the removal in
any way essential - and in
several respects connected with
the Veterinary instruction connected
with the site. The given to the hospital
on the farm I think its removal
would be a disadvantage -
It would be so convenient of any
English farmer who held the
farm I am confident -

I would therefore resist

No 7. H. L. House off the
as a luxury in which there
is no urgent demand.

R 17,500 }
4740 }

R 44,600

288/ 28/17

No 8. an improvement but -

Not a necessity - R 7,000
Not yet estimated or
planned -

No 9. Wallington

This is a repair rather
than a new work
shd be so elapsed - } 3,000

No 10 The existing hospital
has hitherto sufficed &
is good -

The short-service system
must considerably lessen
the number of women
with regiments & therefore
the proportion of hospital
accommodation required - 15,000

No 11 was proposed in 1874

but ^{then} deemed urgent -
There is good bathing &
washing accommodation
now existent -

3/20

No 13 - If the guns are treated
as in I believe all other parts
of India except Madras
Presidency. The gun sheds
would be & are available
for store rooms - & I have
never been able to learn the
reason for the costly keeping
of the guns in Madras P.
clerks this ^{store room} which has never
existed. & has been done
without for generations
until this gun shed question
is explained & if not ^{shed} spent
then ample store accommodation
is available - at once at Bellary
& elsewhere

32.

No 14. Has not been submitted
to Govt I think yet.

28¹/₁₈
The present gymnasium is on the
South side open to the sea breeze
& where the sun may be seen nearly
every coming under its shelter
recommending them -
A covered building in the plan
indicated, will be of itself an
open & inaccessible from surrounding
buildings & any good ventilation
of air will be provided by the
free circulation of air to the
neighbouring buildings & occupies
a material part of one of the
open spaces of the Fort.

No man in Madras would
do gymnastics in the hot sun
and the cover is not wanted
in the cool hours - 2,500

I would omit the whole of the
above

also being

22,240
44,600
7,000
3,000
15,000
3,120
3,200
2,500

R 100,660

feeling perfectly certain that no
other remaining work will be the
work for their abandonment & consequently
to repair the 2 items which make up the
R 3000 - of No. 9 - & which were only
brought into the list of Major works by
combining the repair of 2 distinct &
detached buildings.

Of the remaining R 1,14,154 - H. E.

himself suggests that No 4 — R 11,700

be deferred until it be decided whether
British
a cavalry regiment should be
kept at Bangalore -

The most material remaining item
is the new barracks at Mullingspore.

231/19
Lamp and this fund
whether the government are
prepared to say that this must
be maintained for a series of
years as a station for 100 British
Infantry -

I do not myself think it is
likely to be so maintained - or
that it is necessary - & as the

present building is good for
a year or more - I am now

including this item of
R 53,000 or to meeting any
new buildings then - & I
would reduce therefore the

total demand for major
new works by the R 1,00,660.
and of the 11,700
and 53,000

leaving only $\frac{66,700}{33,960}$

The demand would then

Stand at Major 33,960
 Minus 1,50,000
 Repairs 2,50,000
 4,33,960

I think that more information must be
 given to Secy of I. if the grant of 1,50,000
 is to be used for main works - as
 Mr. H. L. points out - these works & the
 amount should be considered with reference
 to their necessity -

The list given only states about Rs 50,000
 of which Rs 3,195 are already brought in being
 more repairs - such as relaying an iron floor
 repairing floor of ammunition dep. -
 roof of Native shed & some other
 much dilapidated -

Of the items in the list I think the
 1st 50. are not essential - It was
 recommended in 1872 - but has not been
 provided - The position which has supplied

285/90
 in 8 years may I think still continue
 No 5 - seems hardly essential at Bangalore
 No 8. will not easily repay its cost - if can
 be taken out to lay in to large stock -
 the shed will not be necessary - and cost
 is nearly obtainable. I am not sure at Madras
 in enormous quantities - 2600

No 9. Probably a good copy of broken
 glass would be quite sufficient & much
 less costly -

No 10 raises a large question. Practically
 that of providing for all Staff Regt 2nd

No 11. Has I said been under consideration
 since 1867 - & cannot therefore be termed
 essential -

No 12. in the same way cannot be an
 essential -

No 13. & No 15 - seem not to be essential
 repairs -

No 18. I also think comes in same category.

No 20 + 21. might well stand over.

23. I asked about the ventilation &
 was told it was quite satisfactory
 by the Med. Officer -

This seems to be a recommendation of
8 years old -

No 24 - is an old recommendation of 1872 - is not
urgent - also No 25 -

No 26 - it is not clear what is intended - but an
air arrangement must be all needed -

27 - might stand over - a compromise but not
a necessity - if done

28 - a good layer of gravel sufficiently
will do all needful at much less cost

No 31 - } Not necessary

32

33

34

35 - better get N. W. Street shed off
for now - erection of shed by Govt. requires
acquisition of land - main tenance in
repair & continuous expense for custody

37 - I would not in any arrangement
buildings at this place - 200
skilled men - & are sent up - only
100 in all -

No. 42-44-45-50 - are not specified

I have made them up in detail
because I am sure that if I will
come to the same general conclusions

No. 1905

2367
22 MADRAS,
Chepauk, 13th Aug. 1880.

From

THE SUPERINTENDENT OF WORKS,
PRESIDENCY,

To

The Chief Engineer,
P.W.D.

Sir,

Enclosures.

With reference to your Memorandum
No. 266 of 6th instant, I have the honor to
report that estimates for the works No.
3 and 5 were sanctioned in G.O. No. 3066
of 22 December 1879, viz -

Quarters for a School Master
and Mistress, Parade Barracks,
Bangalore. Rs. 6120.

Armourers Shop at Parade
Barracks. " 4670.

2. The other works will be reported
on shortly.

I have the honor to be
Sir,

Your most obedient servant
Cecil Alexander Esq. Dy. Commr.
Sup. Works

Mis no 3066 W of 2nd Dec 79

P.W.D.
14.0080
N. 2. 515

The Supt of Works
Presidency

8th 1905

Dated 13th Aug 1880
Recd

Quarters for School Master &
Misses and Armourers' Shop,
Bangalore.

Reports that Estimates
for the above works were
Sanctd in G.O. No. 3066 W
of 2nd Dec 1879

Dec 14. 80 again 10.9.80

Major Works.
Accommodation for Railway Mail Service Rs. 2,500-0-0
at Madras
Minor Post office at Beconada Rs. 500-0-0
Rs. 7,500-0-0
Minor Works Rs. 10,755-0-0
Grand Total Rs. 18,255-0-0

No. 5807
236/23

FROM
G. J. Hynes Esquire.
Offg. Asst. Director-General of the Post Office of India,
To
The Secretary to Government
Public Works Department
Madras.

Simla the 19th August 1880

SIR,

In accordance with the Resolution of the Government of India, No 422-39 A.G. dated the 7th August 1875, I have the honor to give in the margin a statement showing the Public Works requirements of the Postal Department in Madras during 1881-82, and to request that His Grace the Governor of Madras in Council in the Department of Public Works will be pleased to provide for the same in his Provincial Schedule.

2. No provision has been made in the schedule for a new General Post office at Madras, but a special clause has been inserted in the forwarding letter expressing a hope that an allotment would be made for the purpose by the Government of India.

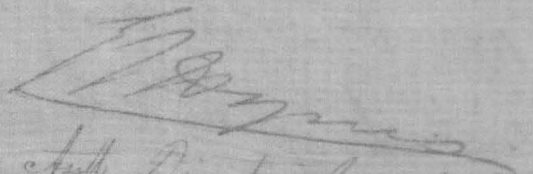
3. A request has also been made for an allotment of Rs 5,000 for repairs, should the Government of India approve

approve of the suggestion for their being carried out by
this Department as suggested in Madras Government No.
3155 of 10th December 1879.

I have the honor to be

Sir,

Your most obedient servant



W. H. Murray
Asst. Dir. General of the
Post Office of India

2361/91
and that we are more
likely to get what we desire
by availing only classes
which we can well support -
than by making such as
will not stand -

R. 29/9

P.W.D.
26 AUG 80
No. 5376

No. 828.

2361
25

FROM

THE DIRECTOR GENERAL OF TELEGRAPHS IN INDIA,

TO

THE SECRETARY TO THE GOVERNMENT OF MADRAS
PUBLIC WORKS DEPARTMENT.

SIR, the 4th of SEPTEMBER 1880.

I HAVE THE HONOR TO FORWARD AN EXTRACT FROM
THE SCHEDULE OF REQUIREMENTS OF THIS DEPARTMENT IN
PUBLIC WORKS IN 1881-82 CONTAINING THE WORKS REQUIRED
IN MADRAS PRESIDENCY, AND TO REQUEST THE FAVOR OF THE
NECESSARY PROVISION BEING MADE FOR THEM IN THE PROVIN-
CIAL BUDGET FOR IMPERIAL SERVICES OF THE ENSUING YEAR.

I HAVE THE HONOR TO BE

SIR

YOUR MOST OBEDIENT SERVANT

Murray

COLONEL.

DIRECTOR GENERAL OF TELEGRAPHS

Comd

IN INDIA.

Is. No. 536.

22819

8. W. 1880 Dep.
No. 5749

Extract from Schedule of Works required by the Telegraph department during 1881/82

2381/82

Province	Division of Public Works	No. of Work	Name & Locality of proposed Work	Amount of Estimate	Amount if any likely to be expended up to 31 st March 1881	Amount required during ensuing official year
----------	--------------------------	-------------	----------------------------------	--------------------	---	--

Madras	Consenting Architects	1	Telegraph Office Madras	257,192	68,000	1,50,000
--------	-----------------------	---	-------------------------	---------	--------	----------

The extreme importance of this work is known to Government. Day by day the need of this building is more felt and as some progress has now been made in the erection of the building I earnestly trust that funds may be provided for its completion.

B.	Nilgiri District	2	Telegraph Office Poth	21,100	10,000	11,100
----	------------------	---	-----------------------	--------	--------	--------

It has been ascertained from the Government of Madras, that the grant of Rs 10,000/- towards the erection of this building will be fully utilised; provision is therefore now made for the balance required to complete the work.

Murray Colonel
Director General of Telegraphs in India
C. P.

P. M. 5748/60
2341
98

Endence Dopartment.

No. 6186

2361
99

OFFICE OF THE COMM. OF SALT REVENUE,

~~Madras~~ Cochin, Cochin

Dated September 15, 1880.

From

H. W. BLISS, Esq.,

Commissioner of Salt Revenue,

To

Colonel R. H. Lambey R. E.
Secretary to Government
Public Works Department

Sir,

With reference to G. O.
1st September 1880, No 2670 M. I
have the honour to submit herewith
a statement showing
the Salt Works proposed for entry
in the Public Works Imperial
Budget of 1881-82.

I have the honour to be
Sir,
Your most obedient Servant

M. J. A. M. M. M.
Personal Assistant
for Commissioners of Salt Revenue

P.W.D.
20 SEP 80
MS

P.W.D.
20 SEP 80
5954

99-2361 Mr. B. G. ...

Genl.

Ms. No. 532.

Correspondence Department.

1880.

From

The Commissioner of

Salt Revenue,

To
The Secretary to Government
Public Works Department
Madras.

Dated September 15, 1880
Received

No. 6186

Enclosure.

SUBJECT.

Submitting a statement
showing the salt works
proposed for erecting
in the public work
infrastructure Budget
of 1881-82.

List of Salt Works to be executed by the Public Works Department in the year 1881-82.

13/8/81

Head of Classification	Executive Division	Locality	Item Number	Project and Works.	Amount of Estimate Rs.	Outlay		Grant 1881-82		Item number	Remarks and references
						Actuals to end of 1879-80	Probable during 1880-81	Amount	Total for each head		
Salt	Ganjam	Ganjam	1	Masonry bridge between the Ganjam Pans and Chilka Canal	2940	"	"	2940		1	G.O. No. 3276 of 19 th December 1879. Item No. 22 of the Budget of 1879-80.
	Histna Eastern	Pandrah	2	Police Lines	4507			4507		2	G.O. No. 3028 W of 29 th July 1878. Item No. 7, 8, and 9 of Budget of 1880-81.
	Histna Eastern (Delta)	Chimosa-Ganjam	3	Do	4582			4582		3	
		Nizampatam	4	Do	3562			3562		4	
	Nellore	Iskafalle	5	Branch road from Allum to the Salt platform	4060	"	"	4060		5	This road is required to promote Salt Traffic.
	Cuddalore	Merhanam	6	Completing the Pulyanai catch drain	4985	483	"	4502		6	G.O. No. 1274 of 14 th April 1877. Item No. 40 of the Budget of 1878-79.
	Tanjore	Vedarniam	7	Huts for 2 Head Constables and 19 Constables	5670	500	3500	1670		7	G.O. No. 1693 W of July 1882. Item No. 10 of Budget of 1880-81.
		Kattunavadi	8	Huts for 1 Head Constable and 9 Constables	5540	1000	3000	1540		8	G.O. No. 813 W of 18 th February 1877. Item No. 11 of Budget of 1880-81.
				Minor Works							
	Buckinghampal	Emore	9	opening and maintaining the Ennore Bar	18300	386	9860	8054		9	G.O. No. 1579 W of 1 st June 1880. G.O. No. 1819 W of 30 th July 1880.
		Govelong	10	Opening the Bar				4000		10	
			11	Reserve				5583			
					Total				45000.		
Rs. 45,000											

Salt Commissioners Office
Dated September 15, 1880.

13/8/81
Grant for Minor Works
Personal Assistant for
Commissioner of Salt Revenue

ADMINISTRATIVE DEPARTMENT.

MADRAS,

Marine Office,

11th September 1880.

No. 7934

From

Acting

THE MASTER ATTENDANT,

ADMINISTRATIVE DEPARTMENT,

MADRAS,

To

The Secretary to Government
Public Works Department

SIR,

I have the honor to forward the accompanying
Imperial Funds Budget Estimates for Marine Works
(Original) and repairs for the official year 1881/82.

I have the honor to be

Sir

Your most Obedient Servant

[Signature]
Acting Master Attendant
Administrative Department

2281
32

ML

Detail of Estimate for repairs for the year 1881/82

236/33

		Estimate 1881/82.		Estimate 1880/81.	
		Amount.	Total.	Amount.	Total.
		Rs.	Rs.	Rs.	Rs.
Gangaim	Repairs to Flagstaff	100	100	100	100
	D° B° Sanapora	100	100	100	100
Vozagolpatam	D° to Lighthouse Santapilly	150	150	100	100
Godavery	D° D° Hope Island	200	200	200	200
Christna	D° D° Point Divi	200	200	200	200
Kellera	D° D° Arneghon	200	200	200	200
Chingleput	D° D° Pulicat	200	200	200	200
Madura	D° D° Pamban	200	200	200	200
Tinnevely	D° D° Muttum	100	100	100	100
Total Purpos		1450.	1450	1400.	1400.

Madras
Main Office
11th September 1880.

Acting Master Attendant
Administrative Department

P.W.D.
185CP80

No. 236/33

Drawn
by Master Attendant
of the Department
of P.W.D.
for the year 1880/81.
11th Sept. 1880.

236/33-10-80

B. No. 537

Sheet 45 of 46

MS

P.W.D.

18 SEP 80

12 54 29

Detail of Estimate for repairs for the year 1881/82.

236/34

		Estimate 1881/82.		Estimate 1880/81.	
		Amount.	Total.	Amount.	Total.
		Rs.	Rs.	Rs.	Rs.
Ganjam	Repairs to Flagstaff & Light	100	100	100	100
	to Bonva...				
	to Bonva...	100	100	100	100
Vizagapatam	to Lighthouse & Cartpully	150	150	100	100
Godavery	to Hope Island	200	200	200	200
Krishna	to Pointe Dine	200	200	200	200
Nellore	to Amogh	200	200	200	200
Chingelput	to Pulicat	200	200	200	200
Madras	to Pambam	200	200	200	200
Tinnevely	to Mattham	100	100	100	100
Total Repairs		1450	1450	1400	1400

Madras
Marine Office
11th September 1880.

Geminus Hale
Acting Master - Attendant
Administrative Department

Detail of Estimate for repairs for the year 1881/82.

2361
8/85

			Estimate 1881/82.		Estimate 1880/81.	
			Amount.	Total.	Amount.	Total.
			Rs.	Rs.	Rs.	Rs.
Gangam	Repairs to Flagstaff	Chelister Barracks	100	100	100	100
	Do	Do	100	100	100	100
Vizagapatnam	Do	to Lighthouse	150	150	100	100
Godavery	Do	Do	200	200	200	200
Heisteria	Do	Do	200	200	200	200
Wellore	Do	Do	200	200	200	200
Chingleput	Do	Do	200	200	200	200
Madura	Do	Do	200	200	200	200
Tinnevely	Do	Do	100	100	100	100
Total Repairs			1450.	1450.	1400	1400.

Madras
Main Office
11th September 1880

Vice-Comdant of 10/10/80
Gerrard
Acting Master Attendant
Administrative Department

P.W.D.
18 SEP 80
No 592

P.W.D.
18 SEP 80

Detail of estimation for original works for the year 1881/82.

Original

Division.	No.	Locality.	Project.	Description.	Amount of Estimate	Computed expenditure up to 31 st of Estimate March 1881.	Estimated 1881/82.	No.	Remarks on Revisions.
Hindia	1	Salas Punt Div.	Construction of a Bason		R. 5540	R. 5540	5540	1	
Annexally	2	Wuthum	No.	of Light house	"	"	75800	2	
Total Rupees					81340				

Madras
Maine Office
11th September 1880.

2381
Acting Master & Steward
Administrative Department 26

M.

P.W.D.
1850780
No. 1839

Duplicate

Detail of estimate for original works for the year 1881/82.

Divisions.	No	Locality.	Projects.	Amounts.		No	Remarks and Reference.
				of Estimate.	computed up to 31 st March 1881.		
Chennai Tamil Nadu	1	False Point	Construction of a Beacon	5540	5540	1	
	2	Muttur	Do of Light house	"	75800	2	
Total Rupees					81340		

37 2361
S. S. S. S. S.
S. S. S. S. S.
S. S. S. S. S.

Madras
Maine Office
11th September 1880.

JPL

Johna. Purpus

Manure Office

Ernest Hart
Acting Executive Assistant to
Administrative Department

No 291

Supy Engr^s Office 2^d Circle

Coimbatore 20 September/80

From,

The Supy Engineer

2^d Circle Coimbatore

2361
12/39

To,

The Chief Engineer

D.P. W. Madras

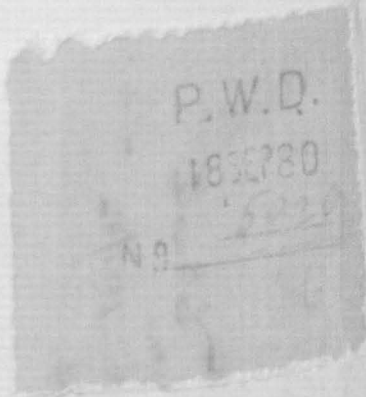
Sir,

With reference to your Memo:
No 269 dated 7th August/80 I have the
honor to report as follows.

New flooring to Latrine of Barracks
and family quarter at Wellington.

An Estimate amounting to Rs 1095
No 115 of 1879/80 has been sanctioned
by the Supy Engineer and funds ap-
propriated for the work this official
year. It will be put in hand as
soon as Mr. Kilne the Sub divisional
Officer returns to Coimbatore.

2 The Progress made in rebuild-
ing the sick horse stables at Coimbatore
was bad, it is now fair and the
full



full allotment Rs 15,000 can be expended, the expenditure is now about Rupees 4,000.

The whole of the East side and 36 ft x 35 ft of the North and South sides have the walls raised to the full height. Materials for roofing the East side are ready and more are coming in. I do not think it advisable for more funds to be given to this work this official year as the East side must be completed before another side ~~another side~~ can be taken up, this being the case the masonry work is retarded.

Revised estimates were submitted to you for the New Malabar Barracks with letter No 151 of the 23rd March 1880 but no orders have been passed on them.

The new family quarters Poonamallee are as follows:-

9 Quarters	Rs 22,600
18 " "	50,400
27 " "	73,000

Block of 3 quarters	9,300
Total for 30 Quarters	82,300

236/40
The last block of 3 quarters has been commenced and work stopped. Rupees 3,732 was the expenditure on them orders have been given to complete these quarters the Rs 5,568 the amount required being met from the grant of Rs 20,000 in the Budget page 5.

5. From the above it will be seen that 3 of the 30 quarters will be completed this year from this year's allotment leaving 27 quarters at an estimated cost of Rs 73,000 to be provided for hereafter.

The unfinished block referred to para 5 of your Memo is included in the 30 quarters estimated at Rupees 82,300.

I have the honor to be,
Sir,
Your most obed^t servant,

Major R.
Supt Engr 2^d Circle.

P.W.D.
22 SEPT 0
No. 5098

From
The Supply Dept
The Circle

Date 21 }
Rec 22 } Sept 1880

No. 291

Works — Reporting on the
progress made on certain works
in the Phangapat West Coast &
Salun District.

No. 39

1880-81

236/

Note on the list of Military
Major Works.

Class A

Write to the
today's work

Item 1. Detailed estimates
have been submitted for
executing this work with
superior and inferior materials,
for Rs 14,300, and Rs 7,220
respectively. It is to be
decided in Council on the
6th August which estimate
is to be accepted; in either
case funds will be provided
this year, and the item may
be struck out.

Class A

Call on P.E. in
submitted Est. number

Item 2. The estimate had
not been sanctioned when this
was included in the 1878-79
budget, and the appropriation
was withdrawn in Aug.
No. 3899 W of 5th October 1878.
It is proposed to call on

the S. W. Presidency, to save
no time in having proper
estimates prepared, if they
are not now ready.

Item 3. Improvements to
Dumloor tank. A detailed
estimate was submitted in
February last, but it was
decided that beyond draining
a swamp by an under tunnel
with shutters, nothing should
be done. Surgeon General
Sir A. Home recommended
that the drainage of the
tank should be deferred
until it could be "compre-
hended in a general scheme
of district drainage." This
work should therefore not
be entered in the list of
demands?

Item 4. Detailed estimate
sanctioned. May be entered
as a class A work?

— Class C
Revised S.E. to
see that work
under the small
estimate of Rs
1420 is completed
in current year

— Class B

Class B —
But S.E. may be asked
to submit estimate

Class B —

225/10
Items 5 and 6. No reference
is made by the Military
authorities to orders of Govt.
in regard to the works,
for which estimates do not
appear to be sanctioned.

Item 7. Estimate should
at once be prepared.

Item 8. Detailed estimate
has been sanctioned, but
His Grace and H.E. the
C. in C. ordered the work,
which was actually com-
menced, to be stopped, at
and the materials sold or
otherwise disposed of (see to
P. M. G. No. 1560 of 21st June/91,
No. 151 of 28th September 1890,
and No. 757 W of 15th Feb/98)
Until it is decided whether
Wellington is to supersede
Bangalore as a Military
station in accordance with
the advice of the Army.

Compassion it seems undesirable
to enter this work.

Item 9. The estimate might
be prepared.

Items 10, 11, 12. The urgency
of these works depends very
much on the future of Wellich-
town. For No 10, which is
strongly recommended, a
detailed estimate should
at once be sent in.

No 11 is less pressing, but it
would be well to have a
proper estimate sanctioned.

For No 12 a detailed estimate
has been sanctioned.

Item 13. Detailed estimates
have been sanctioned, and
funds were provided last
year. The work should
not find a place in this
statement. Funds in
part can be provided this

Class B.

ask SE to submit
Estimate when convenient

Class B

SE may be asked
to send up Est.
In No 10

Class B

ditto

Class B

Strike out

but request SE
to see that the
work is put out

of hand this year

Rs 226.20 allotted in G.O.
No 1819 of 30/7/00

A and

Class A

Address SE as
proposed

A and

Class B

Class B

Class B

Class B

Class B

Class B

Class B

Class B

Class B

Class B

Class B

Class B

year, if some have not
already been given, and the
balance can be appropriated
next year when the demands
for incomplete works are
considered.

Item 14. Mullapuram
Barracks. The estimates were
returned for revision last
year and, shortly after, the
Govt. of India declined to
enter the work in the budget.
The Supg. Engineer should
be asked to report the present
state of the estimates and
Govt. must determine whether
the item shall be included
in the demand statement
to be submitted to the
Govt. of India. If a
European regiment is not
again to be stationed at
Mullapuram, there is no
use in entering the work.

Item 15. Detailed estimate — Class A
has been sanctioned in Oly. No 2750 granted from
N^o 3389 W of 26th August 78. *See Reserve in 40*
An appropriation to the full
extent of the estimate was
made in October 1878 but the
work is said not to have
been commenced. It can be
entered in the statement
of demands.

Item 16. Detailed estimate — Class A ?
has been sanctioned. The
Commander-in-Chief only
wishes the punkahs to be
altered in half the barracks,
which should reduce the cost
(Rs 5000) by one half. It
would perhaps be better to
have the work completed
before the hot season of
1881, and an appropriation
might at once be made
from the Military reserve
of the current year, which

Half Estimate
but if the funds
can be found this
year let this be
done & the work
struck out — or the
remaining part
relegated to class

Class A —
Paper on proposed
to the S E

Class A

Class A —
Paper on proposed
to the S E

236/244
on the 1st August stood at
Rs 24,365.

Item 17. The description
of the work is not intelligible
when read with the order
referred to and with Oly
N^o 891 of 3rd of April 1875,
nor is it apparent how the
amount of the estimate (ap-
proximate or detailed) has
been arrived at. Specific
information must be afforded
by the Superintending Engineer.

Item 18. Detailed estimates
have been sanctioned and
Govt have ordered the in-
clusion of the work in next
year's budget (G.O. N^o 1670 W
dated 14th July 1880).

Item 19. The Oly quoted
is not at Ootacamund,
it must be referred to, and
the Sup^y Engineer be asked
if regular estimates have

been prepared.

Item 20. Regular estimate — Class A
should be prepared, and if
submitted in time the work
can be entered in next
year's budget.
SE should submit
Estimate without
delay

Item 21. The Supg. Engineer — Class B
must be asked to report
the action taken on O.G.
No. 209 of 25th January
1875.
Refer to SE as
proposed

Item 22. More information — Class A
must be given about this
work. The barrack scheme
now under execution provides
for "new quarters with
out houses for 30 families"
at a cost of Rs 82,300. If
the work is the same funds
have been provided this
year; if different, it must
be reported whether both
are required.

Item 23. The Supg. — Class A ?

Refer to SE as
proposed

236/45
Engineer should report the
outlay to date, and the
funds required to complete
the quarters. It may be
possible to give funds this
year if none have been
allotted in the recent orders
on the incomplete works.

Minor Works.

The demands amount
to some Rs 64,000. It would
be well when addressing
the Govt. of India to ask
for Rs 1,50,000, as the grant
for Minor New Works has
eventually to bear the cost
of all unforeseen works,
minor or major, and of the

incomplete works of the
preceding year.

A.P.

5/8/80

C.A.W.

The Budget Est.
might be roughly
framed in the
above assuming
in all possible cases
the full amounts of
new and the whole
remains in incom-
plete works; it will
then be easier to see
to decide as to what
works should if
necessary be eliminated

6/8/80

Att

ms

Buildings and Roads.

Schedule of the probable requirements of the Madras Presidency in 1881-82

Division & Locality	Projects	Description	Imperial Ordinary	Original	Remarks
Chingapat / Somasullee	New double storied houses for 200 men with art houses	82,300			
	New quarters for 30 families with art houses	7,150			
	New quarters for Apothecary	18,476			
	Alterations to existing buildings and demolitions	27,484			
	Rebust value of old materials	4,305			
		270,506	4,000	2,000	

Secondary 2. Bangalore. Latrines for the Regt. - two for males and two for females. Sappers and Miners.

West Coast 3. Wellington New flooring to latrines of Barracks & family quarters at Wellington. 3,000

Coastal 4. Bellary Store room for Royal Artillery at Bellary - 3,204

Secondary 5. Fort St. George. A covered gymnasium to be erected in the Ball Alley of the European Regt at Fort St. George - 2,500

2361/5

Sanctioned by the Govt of India Register at 83 M. N. of 1887-90. 465 M of 19. 26/7/79. New work of Budget of 1880-81. Claps A. Budgetary revenue - Urgently required.

Estimate wanted. Claps A. This is the C. & C. revenue. That this work is most urgent for sanitary reasons.

2361/5

3000 3 Claps A.

3204 4 Claps A. The work is much needed as there is no store room for the battery & the

2500.5 Claps A. much needed

Pending to Fort St George Cook room, bath room, store
 room and wardens room for
 military prison; cook room
 latrine & bath room for convict
 sergeants quarters — 8540

Bhagpatty St Thomas' New Barracks for
 Royal Artillery —

Total Major Works —

Grant for minor works the
 estimated cost of which has
 not passed Rs 2500 —

Repairs —

Total Military —

Civil Buildings
 Original Works
 Postal Buildings

Consulting Architect & Engineer New Post Office at Madras 2,400

Separately 9 had wire Accommodation for railway
 mail service at Madras

Engineer to Government New Post Office at Madras

Total Major Works

5000 10 — do

54000

285

8540 6. Clasp A. very much required.
 No estimate

43700 7. Clasp A. No estimate

87904

40000

250000

285

5000 8. Grants by Govt of India Register
 3618 of 1876-77, 4. 6. 1188 of
 8th May 1876. Class A. (Part of
 combined Post & Telegraph Office)

2500 9 estimate attached

Cardinal 15. Buckingham. Completing the Polygonal Rail

total done

1905 185,400 15/1874. Class A.

Buckingham

Cardinal 16. Enlarged. Opening and maintaining

the Enlarged Rail.

total done

1905 142,600 16/1874. Class A.

total done

1905 142,600 16/1874. Class A.

Grant for minor works

the estimated cost of which

has not exceed £2,000 each

1905 142,600 16/1874. Class A.

Refuge

1905 142,600 16/1874. Class A.

total done

1905 142,600 16/1874. Class A.

226/58

Div. Public Improvement

Light houses

Original works

Cardinal 17. Lake Point

Div

Construction of a house

1905 142,600 16/1874. Class A.

Cardinal 18. Shattam

50 of light houses

total done

Grant for minor works the

estimated cost of which has

not exceed £2,000 each

1905 142,600 16/1874. Class A.

Refuge

1905 142,600 16/1874. Class A.

total done

1905 142,600 16/1874. Class A.

226/58

Statement showing the probable amount that will be required in the Hudson Presidency as account of Imperial War Co, &c., for 1881-82 under each head of service.

	Original War Co			Repairs		Equip. Estab.		Land	
	Major War Co	Minor War Co	Land	Ho	Ho	Ho	Ho	Ho	Land
Military	2,150,000	400,000	12,700	31,196	3,149	41,062	1,537,000	1,537,000	4,000,000
	2,227,776	1,000,000	3,000,000	2,000,000	2,000,000	1,500,000	1,500,000	1,500,000	4,638,000
<u>Other Services</u>									
Postal Buildings	54,500	10,400	6,300	5,000	1,813	1,831	73,399		
Telegraphs	1,61,100	5,000	1,66,100	5,000	1,2795	4,274	213,153		
Light War Co	19,856	1,500	30,056	10,000	10,014	1,001	51,071		
Miscellaneous Public Improvement	81,340	2,500	83,840	2,000	21,460	21,460	109,446		
Land	5,04,810	1,40,400	13,060	2,72,000	2,46,360	2,46,360	10,55,950		

2361
58

2121

(only 1/2)
(first only)

Buildings & Roads -
 Schedule of the probable requirements of the
 Madras Presidency on account of Imperial Works for
 1881-82

Division
 Projects -
 Locality Description
 Imperial Ordinary
 Imperial
 Military Works

Building Dept / Transmuter New double storied barracks
 for 200 men with out latrines, 16,000
 New quarters for 80 families
 with out latrines. 82,000
 New quarters for 80 families 4,150
 Alterations to existing buildings
 Total 19,950

Deduct value of old materials 4,200
 14,750

24,000 10,000 20,000

Approved by
 to 31st March 1881
 Colimate
 28-1881

Sanctioned by the Govt of India.
 Registered 88 h. r. of 1878-79. E. 46460 h. r.
 19th July 1879. Item No 1 of Budget
 of 1880-81. Class A. h. r. 1878-79. E. 46460 h. r.

Remarks -

Presidency 2 Presidency Constructing a
 Haughton house at
 Mysore 17,500 17,500 2 sanctioned by A. D. 1876/77 of
 20th May 1880 Class A -
 Very urgently required.

Do 3 Do Butcher's quarters at
 Mysore 4,740 4,740 3 Do

Do 4 Bangalore Constructing a school
 for the Royal Artillery. 11,700 11,700 4 sanctioned by A. D. 1878-79 of 19th Oct 1877.
 & Royal Artillery at
 Bangalore.

Do 5 Do Barracks for the Regiment
 two for males & two for females
 Bangalore and Mysore. 5,240 5,240 5 sanctioned by A. D. 1878-79 of 19th Oct 1877.
 Remarks -

2261
 30

Extra wanted. to be sent to the Government the
 Commander in Chief to send to that this
 work is much required for security
 reasons.

Proceeding 5 Bangalore Quarters for school houses
& school buildings. European
Infantry at Bangalore. 6/120

6/120 5 sanctioned in G. O. No. 3066 of 2?
Dec 7/99. Class B.

Do 6 Do New Armenian's chapel
Parade Barracks at Bangalore. 4,670

4,670 6 Do. Class B.

Do 7 Do Construction of 4. Class

gymnasium at Bangalore. 4,640

4,640 7 sanctioned in G. O. No. 3066 of 2? 31 June 1900
in Class B.

Do 8 Do New grain shed for one
Battery at Bangalore 2,000

3,000 8 Class B.

Do Do Parade to all round parade
barracks.

7,000

Note: awarded. 6. 1. 1900 to the Bangalore. 1900
- awarded in. Chief command. That 1900

West Coast 9 Wellington New flooring to latrine.

Barracks & family quarters 3,000
at Wellington.

3,000 9

Class B.

Do 10 Do

Construction of General Hospital 15,000
at Wellington.

15,000 10

Class B.

Do 11 Do

Bath room, to wash houses 8,120
at Wellington.

8,120 11

3,120 11 sanctioned in G. O. No. 1472 of 4 June 1900
Class B.

286
8

Do 12

Wellington New barracks for 100 men 55,000
at Wellington.

55,000 12

sanctioned in G. O. No. 3066 of 2? 31 June 1900

Class A. Sanctioned in

- sorry by the late fire at Wellington.

Sanctioned 13 Battery Store Room for Royal

Artillery at Battery 3,204

3,204 13

Class A. The work is much
needed. as there is no
store room for the battery.

19/12/00

Proceedings of the Society of Friends, 1841.

She was in the hall.

alley of the Ensispess

Rep. at Foot. at George 2.570

2800 1/4

class is much needed.

20

20/10

27

East River, N. Y. 1891

Store Room and Workshop

room for military prison.

Cast. praevar. latifrons ad

La thy. room for Praxel.

Longeant's quarto

0558

Latil Hayes House

Grant for Inj or Broth

the estimated cost of

which does not

exceeds \$2500

125/

Accepted

2361
48

Each room for
Pope Admiring.

40 lbs 50¢ 2 Aug 1847 } That bought from and in
 40 lbs 30¢ 2 Oct 1847 } the same 20 lbs of 1847
 The work is much beyond the holding being
 greatly indebted as respect their Cooking Accounts
 and Indenture. One half the Board Cook Room
 has been closed for a year or a year in the
 Recommendation of the Committee as
 well as to take the first things and
 has not been commenced for most of the year

New Patterns made
for Portico & party
Baroness.

Sep 0 the 5129 of 17 June 1898 } first brought forward
 Sep 0 the 129th 18 July 1898 } in 1898 when the present
 form has been condensed
 as unserviceable from the thousands of the frame
 work - New form has been condensed of the frame
 in 1898 but their estimates were condensed to be made
 owing to the position then and before 1898

As the Army Campaign
has proceeded they are
half a battalion of British
infantry be stationed at
Bosley the situation of
the French is so bad that
Bosley only is defended.

Store Room for
Royal Artillery

Oct. No. 3834 of First Annual Fair and in 1870.
10 August 1875, a much seed as there as we
Store room for the Bailey and a portion of the
Horticultural Bazaar has been used as such. —

Approved.

New Brighton House
Quarters for Station Port

Very anxiously requires the present site too far off and strongly objected to by the Superintendent of Government Farms. No proper supervision can be exercised absent over supply of most

Rem
already
H.E. the
in Chief

When funds are available
 continue as planned -

Academy of Gymnastics
to be erected by the Ball
alley of the European
Regiment. —

There is very much needed, and might be protected within the Space of the Bell alley Situated on the East of the Barracks which apparently is not used by the men.

Recommended - This
book has been purchased
by Government - Price 29/-
No. 1589 of 16 March 1877

Cook room, Bath room
 Store room and Warehouse
 Room for Patching
 Cook room, Bath room
 Bath room for Prison
 Separate Painters

Very much Required

234
~~230~~
63

Proctor
Sgt. Thomas
The following
of the 1st Regt
of the 1st Div
of the 1st Corps
of the 1st Army
of the 1st Dept
of the 1st Div
of the 1st Corps
of the 1st Army
of the 1st Dept

The present arrangement of the 5th
of the 1st Div
of the 1st Corps
of the 1st Army
of the 1st Dept

Mr. Family Quarter 7300

Very much agreed as to the new scheme
but family quarters are to be in the old house
the new scheme
Recommended, as
the funds are
available.

The unfinished
Block of Staff
Sergeants Quarters

Nearly all the money work is
completed the roofing materials are all
purchased; the building is now so
from the effects of the winter and has hope
of being given during the year
1880.

With best wishes
Recommended Strongly Approved
to be

Quartermaster General
John Quarters
2^d August 1880.

A. T. Small
Regade General
Quartermaster General

236
28
65

P.W.D.
6.17.70
N 9

Remanded by the
 Court to the
 following day
 for the purpose of
 the trial of the
 case.

Recommended _____ Approved _____

1870

100	-	Debitable - Expenses for fuel of Bakery	By credit	do	do
				do	do

O.G. no 1747 is being used. Desirable
 to acquire _____ when funds are available.

Highwell Point
about 1840

Summit
Stony Point, N.Y.
Dear Cousin, when I hear

Durable - Storage accommodates 1000 lbs.

Chippewa River
John of Independence for
Chippewa River
Chippewa River

afforded

1000
 1000
 1000

Dear Mr. Thompson

There is no drainage under bridge and for
sanitary purposes it is necessary that the ground
should be filled, and a proper system of
drain laid down.

Approved.

Buildings and
 a small building
 100

Required in the Public works which are
 required of the kind of the water, more than a tank
 20000 is required for the line which in the dock
 shown is for the dock, during the period the
 building has to be taken, the building for the dock
 10000 is required

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

Commissioners of
 the Public Works
 1000

The existing latrine or privy arrangement is
 contained in the Manual District Act
 as the present plan is very defective
 as the privy is not water tight and a high wind
 would probably blow it down

1881/1/1
 2

V35/B

Sketch Budget has been
ed. Two works have been
d which it is desirable should
ned, unless funds can be
allotted for them in the present
year. There are,

Item No 2. Latrines for Sappers at
Bangalore. Rs 5040. For sanitary
reasons much required.

Item No 6. Surrounding wall to
North part of Enclosure of British
Infantry Barracks, Bangalore
Rs 7000. A desirable work in
order to keep the enclosure clean &
free from intruders.

2. The following projects
entered in the sketch budget are
not of pressing importance and
might, if necessary, be deferred for
the reasons given.

No 4. School for the Royal Horse
Artillery and Royal Artillery at
Bangalore. Rs 11,700. A school house
is much required for the Artillery,
but if, as recommended by the Army
Commission, the regiment of British
Cavalry is withdrawn from Bangalore
all its buildings will be available for
the training of Horse Artillery. Hence
therefore this question is settled, it
would be as well not to expend money
on new buildings for the Horse

Artillery

2351/71
No 3. A 4th class by
at Bangalore the station
be considered a temporary, &c.
when funds are available,
which there is no urgent demand

3. A very strong appeal should
be made to the Govt of India for
the grant in full of Rs 1,52,000 for
Major Worts. - In the Presidency
where the stations have all been
occupied for many years, the
larger and more expensive works,
required chiefly for British troops,
have been built and in consequence
the demand for Major works is
comparatively small and of late years
has been carefully restricted, with
a view to economy - but many
minor works are urgently required
to replace smaller buildings which
have fallen to decay and to meet
requirements for the health and
comfort of the troops. These
requirements should be considered
with reference to their necessity,
rather than by granting only a
very small proportion of the sum
allotted for Major works.

4. In the letter on the subject of
Military Major Works, it is stated
with reference to Item 8 "that it
is decided whether Wellington

"is to supersede Bangalore as a military
station, in accordance with the advice
of the Army Commission, it seems
undesignable to enter this work."

The work alluded to - a Gymnasium for
Bangalore - is not an urgent one, as has
been noticed above, but the Army
Commission did not recommend
that Wellington should supersede
Bangalore as a military station.
Bangalore will probably always be
one of our principal stations. The
Army Commission recommended
that the British Infantry at Bangalore
should be transferred to Wellington.

M. 17/9
80

1861 August
 H. E. Deane & Co. B. & L.
 236 1/2
For Order

On the 1st of Indian
 money which that in-
 convenience is experienced
 from delay in sending
 up the figures for the
 Imperial requirements of
 21-22 I have marked
 this reference "by note"

It will be observed
 from this paper note of
 the 12th and the 14th
 Mr. Henderson's of the
 7th instant that Gov.
 is now agreed as to
 the desirability of adding
 all the works which
 R.E. Co. in C. considered
 to be "indispensable"

The price total of
 Rs 81,300 represents the
 demand of Rs 42,284
 + Reserve for minor
 works (Rs 4,000) with
 a slight increase
 in the figures

Note by 6 mile. Handbook and Rs 6574-

23/10/51

H.E. to C in C total
of Rs 85,900 includes
provision for the Works
at St. Thomas's Mount
Rs 43,700

The Schedule which
has been revised (See
annexed paper marked
B) to suit these, rev.
dispositions now includes
7 items of the original
Schedule viz. Nos. 1, 4, 5,
9, 13, 14, 15 and the
new work, in which
later there being no
detailed estimate as
yet sanctioned amounts
will have to come to be
made within this limit.

On the whole there
is now only one point
in regard to which
H.E.'s remarks would
seem to be called for,
viz. in regard to
the amount to be
brings as Reserve

2361/73

In answer to Mr.
In his previous note
he observed that it
was "important to leave
a broad margin" for
minor Works, and
although estimating Rs 4,000
as "indispensable" under
that head, it is not
understood whether
he wished this figure
to be retained.

As neither His Grace nor
the H. M. have noticed
this point it is most
desirable that it
should receive the
earliest consideration,
and that H.E. and
the amount ought to
be increased (I have
myself ventured strongly
to urge that it should
be retained at Rs 4,000)
I shall be glad if
to save time his
Honour would cir-
-culate this note
direct to H.E.

H. M. to enable me
to be in a reply as
soon as possible to
the evening of the
20th

~~Att~~

14-10-80

5346, 5449 & 5954.

236/
74

The Schedule of De-
mands under Imperial
other services has been
compiled from the
lists submitted and the
information available.
is forwarded in
continuation of the
Military portion
sent to Cady on the
10th instant.

Postal.

Although the new Post
office at Madras has not
been entered in the

(1) As regards "Military" I doubt
whether any more can be
done for the Imperial. I thought
house & barracks quarters.

Mr. A. Campbell lately wrote on
a Govt. paper, that as the
removal of the existing life or
occupation is required in demand is forwarded in
interest only. the cost of the
work is the provided from
Surplus Revenue Funds in the
Finance Budget. LK

(2) Note in which: that
the P.O. & Tel. O. are
a combined work.
LK

Director General's list
it has been included
in this Schedule as
it was entered in the
statement sent to
the Government of
India last year and
it is intimated in
the Director General's
covering letter para. 2
that a special reference
has been made to the
Govt. of India regarding
it. of the other two
postal works nothing
can be traced here and
no estimates appear
to have been sanctioned
for

235/75
for them. The demands
for minor works and
Repairs are the same
as those made and
passed for the current
year.

Telegraphs.

The demand for the
combined Post and
Telegraphs office at
Madras has been
entered as required by
the Director General.
The Govt. of India
disallowed the demand
for this work last
year, but subsequently

sanctioned a grant of
Rs 48,432. G. O. No.
1057 A. & of 30th April 1880.

The telegraph office
at Dohy is item 4 of
the current year's Budget
and the balance of
the estimate is requested
for next year. The demands
for minor works and
Repairs are the same
as those made and
passed for the current
year.

Salt.

Only four of the ten
items entered in the

206/76
Commissioner's list
have been included
in the schedule as the
remaining six works
have been entered in
the current year's Budget
and are fully provided
for. Of the second work
nothing can be traced
here and no estimate
seems to have been
sanctioned for it
and no information
is given by the Salt
Commissioner. For the
fourth work Rs 9860
were allotted in G. O.

No. 1819 & of the 30th July
last, and the balance
of the estimate has
been requested. The
demand for Minor Works
is the same as that made
and passed for the
current year, that for
Repairs has been set
down at Rs 10,000
or a little more than
double the demand
of last year. Under
G. O. No. 6354 of 13th
March 1880, the main-
tenance of the Tadar-
nien Canal is to be
provided for by the

236/77
Salt Department
and Rs 5000 is the
amount of the grant
provided in the current
year's Provincial Budget
for this purpose which
it is thought will
hereafter form an
Imperial charge - hence
the increased demand
for Repairs.

Pro: Public Improvement

Two original works
have been brought
forward by the Master
Attendant but
nothing can be traced

(31) *Noted as draft*
Further up & left my for
for the info. I think the
Provincial Engineer. G. S. R. H.
for Bangalore. By (G. S. R. H.)
I think the work was
well advanced. I don't feel
sure that the main at all
point is not chargeable to
Govt funds. I am at once disposed
to

here regarding them.
The demands for minor
works and Repairs are
the same as those made
and passed for the
current year.

H 22/4/80

236/78

236/79
The lists of Military Works
Required were prepared in accordance
with Orders - Every item was put
down that was considered desirable
for the military administration and
the personal health and comfort of the
Soldiers and in the column of Remarks
the works that are urgently needed &
those that may reasonably be deferred
are distinguished - It has always been
understood that Government on these
Matters prepared the Budget, striking
out what was not being strongly pressed
upon their attention.

When I came to this Command
I found these Budget lists were greatly
cumbered with works that were supposed
to come under both categories, but for
which it would be quite impossible for
any Government to provide funds.
I therefore ordered that in future
nothing should be included that might
not be reasonably expected to be carried out
in the immediate present or in the
future - I observe that His Grace
the Governor in his note pays me the
compliment to state that I have
done what lays in my power to
curtail military expenditure and
I am glad he is able to form this
opinion.

It however certainly seems
to me that the subsequent views
of His Grace as to matters of

here regarding them.
The demands for minor
works and Repairs are
the same as those made
and passed for the
current year.

S. 22/4/80

With reference to
the Bill's remarks
the work is not
in the revised
Schedule.

Not less has entered
accordingly.

The work has
been entered in
the Schedule without
remark. The further
info is given for
the ~~work~~ from Capt
Sayer via the
G.O. as the schedule
which ~~is~~ place
see if has
been altered in
pencil & in
anti-rifles has
been approved
the alterations in
the letter to Sayer
the to her has
been forwarded for
S. 22/4/80

V 36/19

The lists of Military Works
Required were prepared in accordance
with orders. Every item was put
down that was considered desirable
for the military administration and
the personal health and comfort of the
Soldiers and in the column of remarks
the works that are urgently needed &
those that may reasonably be deferred
are distinguished. It has always been
understood that Government on these
matters prepared the Budget, striking
out what was not being strongly pressed
upon their attention.

When I came to this command
I found these Budget lists were greatly
cumbered with works that were supposed
to come under both categories, but for
which it would be quite impossible for
any Government to provide funds.
I therefore ordered that in future
nothing should be included that might
not be reasonably expected to be ^{carried out} ~~done~~
in the immediate present or in the
future. I observe that His Grace
the Governor in his note pays me the
compliment to state that I have
done what lays in my power to
curtail military expenditure and
I am glad he is able to form this
opinion.

It however certainly seems
to me that the subsequent course
of His Grace as to this matter

Expenses being so great and the amount which might be diverted from this source to beneficial and productive works for the advantage of the people so considerable, that His Highness feels bound to express the opinion he holds - would greatly tend to gratify what he previously said as to the Endeavour made to reduce military expenditure.

I do not consider that Economy should be ~~too~~ sought for in reducing charges that for thousands the health and happiness of the British Soldier, but anything like a large reduction in the Military Budget, is rather to be sought for in the various Civil Departments paying in full for all the advantages they derive from the employment of military officers, and not burdening the military budget with the pay and pensions of these officers, which ought to be borne by other branches of the administration.

I will now follow His Highness through the Remarks in his note on the several items of the list.

2. Constructing a slaughter house at Teynampatt - Rs 17,580
3. Butcher's quarters at Teynampatt - 4,740.

The Standing Committee reported that the present site of the slaughter house is too far off and

236/80

that in consequence no proper supervision can be exercised at present over the supply of meat, and on behalf of the Soldier such supervision is very desirable. The objections raised by the Police authorities have to be considered in the Civil branch of the Administration. But as the farm is intended to attract visitors and students from among the Hindoo Community the distance of a slaughter house for cows in its immediate vicinity is undesirable.

As the removal of these buildings is urged on two distinct grounds, it seems to me that the two branches of the administration should divide the cost. As far as the military are concerned these works may, as stated in the list, be deferred until funds are available.

7. Constructing a Gymnasium

Gymnasium at Bangalore Rs 44,000

A gymnasium is a work that has been ordered by the Government of India to be provided at all large military stations. There is an Regulation Gymnasium established for the Army, at the head of which is a Field Officer. He very soon report the absence of gymnasium buildings and apparatus in this Presidency as brought to notice.

This Gymnasium has been included in the Budget list in accordance with the general instructions of the Government of India, but I have

When passed it and it may
well stand now.

8. Parapet wall round
the Parade Barracks at
Bangalore — Rs 7,000

A desirable improvement, but may
be deferred until funds are available.

9. New flooring & latrines
of barracks and family
quarters at Wellington — Rs 3,000

This question whether this can be con-
sidered a repair must be decided
by the rules of the Public Works De-
partment on the subject. It is
understood that extensive alterations
to buildings, such as new flooring, are
classed as new works and not as
repairs.

10. Constructing a female
hospital at Wellington — Rs 15,000

This item is not urged for immediate
execution, but would be an advantage,
as the want of sufficient hospital
accommodation at Wellington, leads
to the necessity for pitching tents for
suffering. Further the existing hospital
is not well planned and it is
not desirable that women & children
in hospital should be near the
men.

11. Bath room & Wash
house at Wellington — Rs 3,120

May be deferred until funds are
available.

12. Store room for Royal
Artillery at Bellary — Rs 3,204

This has been asked for since

286/84

1875 and is much needed. At
present a portion of the Recreation
Room has been used as a Store room.

Guns have always been kept in
store in the Presidency and there
is no doubt that the protection to both
guns & carriage tends to keep them
longer in serviceable order and is
therefore economical. Modern guns
require more care than the old service
pieces. Gun sheds also help to prevent
thefts and prevent rusting over the
guns are required. See a scheme for
buildings for each arm of the service
drawn up by Col. Crommelin C.M.
R.E. (an officer of the Bengal Public
Works Department) gun sheds for
batteries of Artillery were included.
See O.G. P.W.D. 25 Nov. 1867 N° 3644.

14. A covered gymnasium
in Fort St George — Rs 2500

This would be close to the barracks, &
which the men could go, with their
dressing, throughout the day. The
one on the plain of the Fort has only been
used in the early morning & evenings
and further the women go for evening
dressing making them disinclined to
use it. The great want for the Soldier
in India is means for recreation and
if Government does not provide him
with these, he resorts to the bazaar &
the injury of his morals and his
health. I believe I am doing good
to both Government and the Soldier
in urging that such means of passing

time and securing healthy recreation should be afforded to the Soldier.

The detachment of British Infantry at Madras has been housed in family quarters and other buildings not built as barracks - For the present this arrangement answers, but if the detachment is to be permanently maintained, proper barracks shall be built.

As regards minor works, these are classified in my list as those that should be provided for at once and those that may be deferred until funds are available - But it is important to have a broad margin for such works, to meet sudden demands. For instance since the list was sent in the report of the Committee on the Artillery barracks at St. Thomas's Mount has been receiving Expenditure to the extent of Rs 43,700 is recommended and this is a work that ought to be taken in hand at once.

The amount of the Estimate will require its being entered among the Major Works.

I annex a list of the works I consider indispensable.

2861
82

1. Appropriation for Ponnammallu new barracks & family quarters -	20,000
42. Latrines for Sappers Bangalore	5,040
9. New flooring to latrines of barracks and family quarters - Wellington	3,000
13. Store room for Royal Artillery Bellary	3,204
14. Covered Gymnasium Fort St. George	2,500
15. Improvements to Military Prison, Fort St. George	8,540
New barracks for R.A. at St. Thomas's Mount	43,700
Total Major Works	85,984
For Minor Works	40,000
Total	1,25,984

This is a lengthy explanation but I consider it was called for by the remarks made by His Grace the Governor - Unless what I have now urged is accepted by my honorable colleagues, I beg this note may be considered a minute and may accompany the letter addressed to the Government of India.

I have no objection to the demand as asked by H.E. - W. H. D. S.

is in effect -

22/10/10
R81.300 + 43,700

Not included in
the original demand

being submitted to

Gov. of I. Ind. - The

works such as the
New Barracks -

Gymnasium or

which have not

been before submitted

to Gov. - will if

can be so with plan

submitted before

works be sanctioned

Gov. are much

in debt to

H. E. for meeting
them so judicious

Mulla 12/10

2381
83

238/84

To Hon W Huddell
His Grace the Prince

Special

In circulating the
annexed note by H.E.
the Com C I would beg
to observe that the
S of J telegraphed in
the amounts of next
years Budget three
days ago. very early
disposal is therefore
solicited

Alte

5/10/80

I am willing to adopt
the views expressed by
H.E. that inf. in his
note of 5th inst.

H.E. 7/10

In the note dated 17 September 1880 the amount asked for Minor Works was Rs 450,000, as there is no doubt a reserve is most desirable but after that note was written, a copy of O.G. dated 1st September 1880 by 2070 W. was received, in which it was stated by the Govt of India that there was little probability of grants in favor of these for the current year being allowed. For this reason the amount for minor works was reduced to Rs 40,000 which is nearly equal to that for the current year known as a proportion between the grants for Major and Minor works. Generally speaking, it would not seem to increase the demand for minor works beyond that for Major works.

I think on the above that Colonel Mackenzie will be satisfied with the above figures for the question.

C.S.W. 27/8

The Imperial Schedule of demands for 1881-82, having been finally approved by Govt. This morning it is going to the f. of I. in m.s. tonight. The revised draft for the press will be sent to Madras tomorrow (by Saturday post).

2. The S.E. S. S. Civil has been specially addressed in regard to the immediate preparation of an est. for the newly entered work. L.A. Bonaldi at St Thomas is absent.
3. The f. of I. have been advised by telegram on 23 Sept.

For remarks

I am in the Submitt the Sketch Budget for Imperial Military with Office notes on the Submitt. In H.E. remarks for 81-82

The main question to be determined is the amount to be entered under Reserve in 81-82 being in the current year reduced the 1 1/2 lakhs first entered under the head to Rs 41,000 and only subsequently raised to Rs 53,000 which is quite inadequate.

Of H.E. wishes I can take his personal instructions in regard to the second items entered.

13.9.80

of the despatch of
the Schedule

14/10

Blw 2 Sept 10
D.P. 10/10

226/1

226/2

Stated by members
of other papers
connected with
the Imperial
Schedule of
demands for
1881-82 -

The draft order
of letter, & the
current numbers
Schedule etc
were sent down
today by
letter post.

15/10

13-9-80. Recd 20-9-80.
Shut 35 Sept

For remarks
see 14/10

I cannot submit
the Sketch Budget
in Imperial Military
into Office notes on
the Submit. In H.E.
remarks for 81-82

The main question
to be determined is
the amount to be entered
under Reserve in Sept
having in the current
year reduced the 1 1/2
Lakhs first entered
under this head to
Rs 41,000 and only
subsequently raised this
to Rs 53,000 which is quite
inadequate

If H.E. wishes I
can take his personal
instructions in regard
to the second item
entered

13-9-80

2361/8

For remembrance

I herewith submit
the Sketch Budget
for Imperial Military
with Office notes on
the Subj. in H.E.
remarks for '81-'82

The main question to be determined is the amount to be entered under Reserve in 1907 having in the current year reduced the 1½ lakhs first entered under this head to Rs 41,000 and only subsequently raised this to 53,000 which is quite inadequate

of H. Q. wishes
can take his personal
instructions in regard
to the second item
entirely

Alh

Supd Demands
Military -
Memo. 23rd/89

The schedule of
demands an account
of Military works for
1881-82 has been com-
-piled in accordance
with the instructions
of the Secretary and
is herewith submitted.
The statement for
Imperial, other Services
has not yet been
prepared, as the Director
General of Telegraphs,
the Commissioner of
Salt Revenue and the
Master Attendant
have not yet sent
in 1889

in their lists.

2. The only incomplete work, or work in progress, that has been entered in the list is item 1. This work forms the first item of the current year's Imperial Budget with an allotment of Rs 20,000. The same amount has been entered in the Demand statement for 1881-82. All the other works entered in the Budget of the current year have been fully provided for and as this

236/90

provision has remained undisturbed up to the present time it is thought that no further funds will be required for them hence their omission from this list.

3. Item 13 of the Quarter Master General's list has been omitted as Rs 22,620 were allotted for the work in G. O. No. 1819 & of 30th July 1880. Item 15 of the same list has also been omitted as the full amount of the estimate, Rs 2,750 was

allotted for the work
in L. O. No. 1919 & of 11th
August 1880.

4. The demand for
Minor Works has been
set down at Rs. 1,50,000.
as required in the Sec-
retary's letter. On this
point attention is
requested to para. 4
of the orders of the Govt.
of India, L. O. No. 3124 &
of 6th December 1879.

Under the ruling contained
in this order the Govt.
of India assigned a
grant for Minor Works
for the current year
of only Rs. 41,000, but

2361/91

but on the urgent
representation made
in L. O. No. 1634 & this
grant was subsequently
increased by Rs. 59,000.
L. O. No. 1505 &

5. The demand for
Repairs is the same
as that made and
passed for the current
year. That for Estab-
lishment and Tools
has been fixed by the
usualcentage on
works.

6. No replies can be
traced here to only
Memos. No. 267, 268 & 269
of the 4th ultimo. J. 9/9/80
The Sch. App. is
sent up in the present

shape as the Govt of India are anxious to decline the demands under Military - even if the others are not ready. Postal & Telegraphs will not form very large items - and will not take long to dispose of after they come in.

R.S.

9/9

2261/92

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 14th Dec^r 1905.
Read the following:

- Endorsement in the Military Department } (H.E. No. 4903 of 4th Dec^r 1905)
Letter from the Supdt. of Works Presidency " " 1905 of 13th " do
Letter from the Director Genl. of the Post offices of India } " " 5807 " 19th " do
" from the Director Genl. of Telegraphs in India } " " 828 " 4th Sept^r 1905
" The Commissioner of Salt Revenue } " " 6186 " 15th " do
" The Master Attendant Madras } " " 4934 " 11th " do
" Supg. Eng^r, Second Circle } " " 291 " 20th " do
Read again letter from the Government of India No. 366 O. S. of 24th Sept^r 1905.

Ordered that the schedule of funds required for Imperial work under Buildings and Roads in 1881-82 be forwarded to the Govt. of India and

For the Secy. to Govt.

R.S.

Super. Eng. L.
 Supt. of Ws. B. Canal
 " " Presidency
 Consulting Architect
 Exec. P. & Acco.
 Daily Depatt
 Public "
 Financial "
 Marine "
 Revenue "
 Commr. of Salt Rev.
 Master Attendant
 Postmaster General, Madras
 Supt. of Telegraphs, Madras &c.

2361
23
H.E. A. 3 16th Dec. 180.

which have been carefully
selected from those
brought forward by
the local Military Authori-

-ties and decided upon
as of pressing im-

-portance in commu-

-nication with His
Excellency the Commander-

-in-Chief.

3. In regard to the
demand of ^{40,000} Rs. 1,50,000
for Minor Works Military

I am directed to point
out that the rule
under which the grant
for Minor Works is fixed
at one-tenth of the
Total Budget Estimate

and especially so
under the restrictions
which have of late
been imposed on
the total grant
in this head of
Service

that although the Government
will consider a very small
amount of service necessary, they will
is hardly equitable in
its application to the
peculiar requirements

of Madras. In this
Presidency where the
stations have all
been occupied for
many years, the
larger and more
expensive works,
required chiefly for
British troops, have
been built and in
consequence the demand
for Major works is
small and of late
years has been carefully
restricted, with a view

to economy. That many
minor works are urgently
required to replace smaller
buildings that have fallen
to decay and to meet
requirements for the
health and comfort
of the troops. These
requirements should
be considered with
reference to their
necessity, rather
than by granting
only a very small
proportion of the

sum

286/
92

sum allotted for
major works. I am
to request therefore
that whatever may
be the provision
ultimately decided
on for major works
the demand for
minor works may
be permitted to
stand.

The

4. The amount
applied for on
account of Minor
Works Military. viz.
Rs 1,50,000 is not
in excess of the
sum finally sanc-
tioned by the
Government of
India for this
purpose during
the current year.

2361/95

4. The only other entry
in the schedule which
calls for special remark
is the increased demand
under other Services -
Repairs. &c. It will
be observed that the
amount set down
is slightly more than
double the sum re-
quested for the same
purpose for the current
year, and is prepared
under Clause IV.

para 4 of Government
of India Resolution
No 22-39 A of the

4th August 1878. I am
directed to explain
that the cause of this
increase is the transfer
from Provincial to
Imperial of the annual
maintenance allowance
of £5000 for the
Tedarvieu Canal
which is a work kept
up solely in the
interests of the Salt
Department.

W. H. J.

25/8/80

23/9/80

Schedule for
1880-82

Draft

Very honorable
of 10-10-80
C. J. J. J.

No 2361 A W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 14th Oct. 1880.

Read the following:

- Endorsement in the Military } (H.E. No 4903 of 4th August/80
Department
- Letter from the Superintendent } " 1905 " 13th " do)
of North Presidency }
" from the Director General }
of the Post offices of India } " 5807 " 19th " do)
" from the Director General }
of Telegraphs in India } " 828 " 4th Sept. /80)
" The Commissioners of }
Salt Revenue } " 6186 " 15th " do)
" The Master Attendant }
Madras } " 7934 " 11th " do)
" Superintending Engineer }
Second Circle } " 8291 " 21st " do)

Read again letter from the

Government of India No 366 A.G. of 24th Aug/80

Ordered that the schedule
of funds required for Imperial
works under Buildings and
Roads

Roads in 1881-82 he forwarded to the Government of India and circulated to the officers and Departments concerned.

2. No time should be lost in the preparation and submission of the necessary plans and estimates for those unsanctioned works which have been entered in the Schedule as no work can find a place in the out-going Budget for which plans and estimates have not been duly sanctioned. Full information in regard to the beacon at Paloe Point and the Muttam Lighthouse should be promptly afforded by the Master Attendant who should state in communication with the Public Works Officers concerned whether

286/98

estimates have at any time been prepared, and if the former work is clearly "Imperial".

No. 23618 of 14th October 1880.

To,

The Secretary to the Govt. of India, P.W.

Sir,

With reference to the orders of the Govt. of India No. 366 A.G. of the 24th August 1880, I am directed to forward the schedule of Imperial requirements on account of Public Works under Buildings and Roads for the Madras Presidency for 1881-82.

Presidency

Supg Engineer 21-21-11
Supt. of works, B. Canal 5
" " Presidency 5
Consulting Architect 3
P.W. Accounts 7
Military Department 5
Public Dept. 7
Financial " 7
Marine " 7
Revenue " 131
Comr. of Salt Revenue 2
Master Attendant 3
Post Master General, Madras 3
Supt. of Telegraph, Madras 3

The seven Military works entered in the list have

30 Dec 1880

have been carefully selected from those brought forward by local Military Authorities and decided upon as of pressing and indispensable importance in communication with His Excellency the Commander-in-Chief.

3. In regard to the demand of Rs 40,000 for Minor Works Military, I am directed to observe that although this Government still consider a very much larger reserve necessary, they will not, in deference to the opinion expressed by the Govt. of India, again reopen the question.

4. The only other entry in the schedule which calls for

236/99 for special remark is the increased demand under other Services - Repairs - Salt. It will be observed that the amount set down is slightly more than double the sum requested for the same purpose for the current year, and as required under Clause IV paragraph 4 of Government of India Resolution No 422 - 39 A.G. of the 7th August 1873. I am directed to explain that the cause of this increase is the transfer from Provincial to Imperial of the annual maintenance allowance of Rs 5,000 for the Vedarnium Canal which

which is a work kept up in
solely in the interests of the
Salt Department

keep copy

~~Alt~~

15/10/80

Ap despatch to India with
copy of schedule 14/10/80.

Yours
J. H. B.

Please send
the proof to me
J. H. B.
18/10/80