Mkte 3030

the 1st. April next.

2. It is requested that, until further notice, letters to my address may be sent to Simla.

1874/88

Ry 29/3/88

I have the honour to be,

Sir,

Your most obedient Servant

D.F. Lowis Colonel

Director General of Ordnance in India

No. 1081 W. d/10th April 88

B

The required alteration will be made in the final issue of the Military Works Budget for 1888-89.

2. The 4th Circle has been authorised to commence the work shop building vide telegram of 20th Dec 87 and the work should be expedited as much as possible.

Chl Sec 4/4/88 30.3.88

To Director General

4th Circle dept

Q 0 W-190 W d/17-1-88
3496 W 20-12-87
3491 W 20-12-87
2879 W 25-10-87
1137 C 16-3-88
620 C 13-2-88

Wrote direct 8/4/88

CS: 1886 3-4-88 M: 5-4-88.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 8th October 1887, No. 1345.

I have the honor to request that the following modification of allotments may be sanctioned under Imperial Military Original Works and Repairs—

From	Amount not required. RS.	*To*	Amount required. RS.
Staff Sergeants' quarters, Ordnance Department, item No. 8, Imperial Military budget ...	10,000	New workshops in the Arsenal	10,000

2. It has been decided by you that the staff sergeants' quarters should not be commenced at present, as it has been represented to you by the Commissary of Ordnance that the new buildings in the Arsenal are most urgently required. The Executive Engineer has been authorised to collect materials for the new workshops, and to prepare plans and estimate for the work at once.

	Amount required. RS.
Minor works	1,000

3. The sum of Rs. 1,800, placed at the disposal of the Officer Commanding Ceded Districts, in G.O., No. 1981 W., dated 25th July 1887, has been fully appropriated. The sum now asked for is to meet the urgent demands of the military authorities.

	Amount required. RS.
Repairs	6,000

4. Of the grant of Rs. 25,000 four-fifths is already expended, and operations will have to cease in a month or two if no further addition is made.

From Brigadier-General E. FAUNCE, Quartermaster-General, to the Secretary to Government, Public Works Department, dated Ootacamund, 18th October 1887, No. 3906 A.

In returning letter No. 1345, of 10th instant, from the Superintending Engineer, III Circle, to your address, referred to this office under your memorandum No. 3530 C. of 15th idem, I am desired to inform you that the approval of the Director-General of

Ordnance in India to the diversion of the grant for staff sergeants' quarters at Bellary in the current year's budget for the construction of new workshops in the Arsenal at that station has already been communicated to Government in the Military Department, with the intimation that the Commander-in-Chief had no objection to the proposal.

Quartermaster-General's letter, No. 3832 A., dated 11th October 1887, to Secretary to Government, Military Department.

Order—dated 25th October 1887, No. 2879 W., Public Works.

The following transfer of funds under Imperial Military Original Works is sanctioned:—

From	Rs.	*To*	Rs.
Twelve Staff Sergeants' quarters, Ordnance Department, Bellary	10,000	New workshops in the Arsenal at Bellary ...	10,000

2. The plan and estimate, for the new workshops in the Arsenal at Bellary, should be submitted for the sanction of the Government without delay.

3. As there are no funds available with the Government at present, the other additional allotments required by the Superintending Engineer, in his letter recorded above, should be applied for early in December 1887.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Military Department.

Exd. J. Moses.
Spair Copies

GENERAL.
ACCOUNT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated October, 25th.

Recd. *Encl.*

G.O., 25th Oct. 1887, No. 2879 W.

OCTOBER.

Funds

Orders on an application from the Superintending Engineer, III Circle, for certain modifications of the allotments under Imperial Military.

20TH DECEMBER 1887, No. 3491 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers:—

From Colonel H. SMALLEY, R.E., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Cuddapah, 9th December 1887, No. 1831.

With reference to paragraph 3 of G.O., No. 2879 W., dated 25th October 1887, I have the honor to request that the following modification of allotments may be sanctioned under Imperial, Military and Civil, Original Works and Repairs:—

From	Amount not required. Rs.	*To*	Amount required. Rs.
Double apothecary's quarters at Bellary, G.O., No. 1617 W., dated 15th June 1887	158	Minor Original Works	3,300
New workshops in the Arsenal, G.O., No. 2879 W., dated 25th October 1887	3,142		
Total ...	3,300	Total ...	3,300

The first work was completed and the accounts were finally closed. The sum now asked for under Minor Original Works is necessarily required to cover outlay on a few works originally sanctioned under Repairs and paid for having had to be written back to Original Works, and to the marginally noted works having been carried out on emergency in anticipation of sanction of estimates which have been since forwarded to military authorities for transmission to Government.

Three platforms and compound-wall round the forage yard, S-1st Royal Artillery, Bellary.

	Amount required. Rs.
2. Repairs	10,000

This demand is unavoidable owing to the works required for the second battery of artillery sent to the station, and to a final bill* to be paid for the fort repairs, as well as the special repairs to cantonment roads, which, neglected for many years, were almost impassable after the heavy rain at

* Rs. 1,868.

the end of last June. A further report on the condition of these roads will be submitted.

	Amount required.
	Rs.
Imperial, Postal, Repairs, Bellary	150

From F. J. WILSON, Esq., Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated Calicut, 1st December 1887, No. 719.

The Deputy Assistant Quartermaster-General, Southern District, having intimated to me that there are no funds at the disposal of the General Officer Commanding the District for constructing markers' and stop butts at West Hill range at Calicut, estimate for which was sanctioned in Circle Register No. 60 of 1887-88, I have the honor to request that you will be good enough to obtain an allotment of Rs. 320 for the same as the work is considered urgent, the Officer Commanding, Calicut, having received orders for putting the detachment through the annual course of field practices.

No. 487 E.W.

Copy submitted to the Chief Engineer, Public Works Department, with a request that he will be good enough to obtain an allotment of Rs. 320 to enable the Executive Engineer to put the work in hand.

Coimbatore,
7th December 1887.

(Signed) J. BEATTY, Colonel, R.E.,
Superintending Engineer, IV Circle.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 12th December 1887, No. 492 E.W.

With reference to G.O., No. 3163 W., of 22nd ultimo, I have the honor to report that I have not yet received the revised estimate of the apothecaries' quarters at Wellington from the Executive Engineer, Nílgiris, but am daily expecting it. Meanwhile, he has telegraphed that it amounts to Rs. 18,500; consequently, I presume it will have to go to the Government of India for sanction, which would be received too late for much expenditure this year. I think it best therefore to surrender at once the sum of Rs. 5,000 mentioned in the Government order. If the estimate be sanctioned and permission given to commence work, say, in February, arrangements may be made and work actually begun in March, payments being deferred till after 1st April.

Order—dated 20th December 1887, No. 3491 W., Public Works.

The following transfers of funds under Imperial, Military, are sanctioned, pending the approval of the Government of India, which will be separately applied for:—

From	Rs.		*To*	Rs.
Double apothecary's quarters at Bellary.	158	Minor Works,	Bellary division ...	2,980
New workshops in the Arsenal at Bellary.	3,142	Do.	West Coast do. ...	320
Apothecaries' quarters at Wellington ...	5,000	Do.	Presidency do. ...	5,000
Total ...	8,300		Total ...	8,300

2. With reference to letter from the Superintending Engineer, III Circle, No. 1345, dated 8th October 1887, printed with G.O., No. 2879 W., dated 25th October 1887, the Government of India have already been requested to sanction an additional grant of Rs. 6,000 for repair works in the Bellary division. It is therefore

not considered desirable to apply for a further grant of Rs. 10,000 now demanded under Repairs.

3. A sum of Rs. 150 is allotted to the Bellary division from the reserve with the Government under Imperial, Civil Works, Postal, Repairs.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, III Circle.
" " " IV "
" " " V "
" Examiner, Public Works Accounts.
" Military Department.

Exd. J. Moses.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated December, 20th.

Recd. *Encl.*

G.O., 20th Dec. 1887, No. 3491 W.

DECEMBER.

Funds

Certain transfers of —, sanctioned.

Appendix to G.O., No. 189 W., dated 17th January 1888.

ABSTRACT of the Budget Estimate of Expenditure on Ordnance Works in Madras for the year from 1st April 1888 to 31st March 1889.

					Outlay.			Grant, 1888-89.			Item No.	Remarks and References.
Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Actual to end of 1886-87.	Probable during 1887-88.	Works in progress.	Works not commenced.	Total.		
				IMPERIAL, ORDINARY.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
				MILITARY.								
				Original Works.								
2. Ordnance Works.	Bellary ..	Bellary ..	1	New workshops for the Arsenal.	..	..	6,858	18,000	..	..	1	Estimate is awaited.
	Do. ..	Do. ..	2	Armourer's shop for the Arsenal.	..	..	..	..	4,650	..	2	Do. do.
	Presidency ..	Madras ..	3	Turner's shop, Gun Carriage Factory.	..	..	..	..	10,000	..	3	Do. do.
	Do. ..	Do. ..	4	Extra accommodation as store room in the Gun Carriage Factory.	6,245	..	..	..	6,000	..	4	G.O., No. 2946 W., dated 5th November 1887.
	Do. ..	Do. ..	5	Constructing a new shed at the Camp Equipage Depôt.	6,935	..	..	..	6,935	..	5	G.O., No. 2558 W., dated 27th September 1887.
	..	..	6	Minor works	..	..	..	..	9,570	..	6	
				Total ..	..	..	..	18,000	37,155	55,155		

			Budget Estimate, 1888-89.
			Rs.
Original Works ...	{ In progress	... ...	18,000
	{ Not commenced	... ...	37,155
Establishment	...	... ...	12,698
Tools and Plant	...	... ...	827
	Total ...		68,680

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

READ—the following paper:—

From Colonel R. F. LOWIS, Director-General of Ordnance in India, to the Secretary to the Government of Madras, Public Works Department, dated Agra, 2nd January 1888, No. 90 E. (Tour).

With reference to the correspondence ending with my No. 62 E (Tour), dated the 16th December 1887, I have the honor to forward the following list of ordnance works which it is desired should be undertaken in the order shown in the Madras Presidency during the official year 1888-89. The amount available for each work is as entered opposite it, and is, it will be noted, in addition to the usual charges for establishment, tools and plant:—

Description of work.	Required for	Amount.	Remarks.
		RS.	
Workshop	Bellary Arsenal ...	18,000	Or only Rs. 8,000 if the Rs. 10,000 allotted this year is spent on this work before 31st March next.
Turners' shop	Gun Carriage Factory, Madras.	10,000	
Store-rooms	Do. ...	6,000	
Guard-room	Do. ...	2,570	
Armourers' shop	Bellary Arsenal ...	4,650	
Receipt and Issue godown near Arsenal gate.	Rangoon Arsenal ...	2,500	
Shed	Camp Equipage Depôt, Madras.	6,935	If desired, this will be communicated direct to the Public Works Department, British Burmah.
Minor and petty works for Ordnance establishments in the Madras Presidency as required.	.....	7,000	
	Total ...	57,655	
	Add percentage for establishment, tools and plant ...	14,145	
	Grand Total ...	71,800	

2. I trust every endeavour will be made to prepare the necessary plans and estimates as soon as possible, and to finish the works in question before the 31st March 1889.

3. As heretofore the plans and estimates, when ready, should be sent to the Inspector-General of Ordnance, Madras Circle, for approval and countersignature.

4. I shall be obliged by being informed, on 1st August 1888, of the progress made towards the completion of the several works, and whether they are all likely to be completed, or not, before the end of 1888-89, to enable me to frame the annual statement of buildings for 1889-90, which is due to the Government of India on 1st October 1888.

5. Under the authority of the Public Works Department Code, the Inspector-General of Ordnance has, I believe, power to sanction petty works, the estimated cost of which, in each case, does not exceed Rs. 500. The cost of the petty works, as required, is included in the allotment for minor and petty works.

Order—dated 17th January 1888, No. 189 W., Public Works.

Ordered that the accompanying list of ordnance works, proposed by the Director-General of Ordnance for execution during 1888-89, be printed and circulated for the information and guidance of the officers concerned, and four copies forwarded to the Government of India with the intimation that the works detailed therein will, with the approval of the Government of India, be embodied in the final issue of the military works budget for 1888-89.

2. The sum of Rs. 71,800 allotted by the Director-General of Ordnance includes Rs. 3,120 * for a receipt and issue godown near Arsenal Gate, Rangoon. As this work is outside the Public Works Department limits of the Madras Presidency, the grant will be replaced at the disposal of the Director-General for assignment to the Public Works Department of British Burmah. The difference, Rs. 68,680, will be treated as the total assignment for ordnance works of this presidency.

	Rs.
* Works	2,500
Establishment and tools and plant...	620
Total ...	3,120

3. For the new workshops for the Arsenal at Bellary the Director-General has provided Rs. 18,000 on the supposition that a portion of the current year's grant of Rs. 10,000 for the work will be spent before the close of the year. But as the estimate is still unsanctioned it is not likely that there will be a large expenditure on the work in the current year. The amount allotted by the Director-General for next year may, however, stand, subject to reduction if found necessary hereafter.

4. For constructing the police guard-room at the Gun Carriage Factory, Madras, a sum of Rs. 2,570 has been provided under Major Works, but the estimate sanctioned † for the work amounts to Rs. 2,460 only. It will therefore be classed as a minor work, and the provision of Rs. 2,570 added to the lump sum grant for "Minor Works," which will then amount to Rs. 9,570. This sum will, as usual, be held at the disposal of Government; and, after providing for incomplete works of the current year, the balance will be placed at the disposal of the Inspector-General of Ordnance for appropriation for such works as he may consider necessary. Superintending Engineers will, in submitting their statements of demands for incomplete and minor works under Imperial, Military, prepare separate lists for ordnance works.

† *Vide* G.O., No. 2705 W., 13th Oct. 1887.

5. Plans and estimates for items 1 to 3 should be submitted as early as possible to admit of the grants being utilised, the approval and countersignature of the Inspector-General of Ordnance, Madras, being obtained in the first instance, as pointed out in paragraph 3 of the Director-General's letter.

6. The attention of all Superintending Engineers is drawn to paragraph 4, in view to the required information being furnished by those officers to the Director-General by 1st August of every year.

7. With reference to paragraph 5 of his letter, the Director-General is informed that, under paragraph 1073 of the Madras Public Works Code, the Inspector-General of Ordnance is empowered to sanction estimates for minor works to the extent of Rs. 500 in each case.

(Here enter No. 190 W., dated 17th January 1888.)

(True Extract.)

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

To Superintending Engineers.
To the Examiner, Public Works Accounts.
„ Military Department.
„ Director-General of Ordnance in India.

Endorsement—dated 17th January 1888, No. 190 W., Public Works.

Copy of the above forwarded to the Government of India, Military Department.

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

Fxd. E. Fernandez.
Spare Copies.

BUILDINGS AND ROADS.
MILITARY WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated January, 17th.

Read. *Encl.*

G.O., 17th Jan. 1888, No. 190 W.

JANUARY.

Ordnance Works

Forwarding copy of orders on list of — proposed for execution during 1888-89.

Cir 10445

No 3496 W/20th December/87

Defend Telegram

To Supt Engineer

III Circle

Your telegram of 19th instant.

Authorised to commence Arsenal workshops Bellary.

Mem
20.12.87

Telegram despatched 20.12.87

Jdc
21/12/87.

Copy to
The Examr. P.W.A.

Cir

20/12

No. 3496 W a/20th December 1887

13
21/12

Dw
W. approve

Superintending Engineer's Office,
3RD CIRCLE
Bellary 8th February 1888.

No. 2887

FROM Col: H. C. Smalley R.E.
~~THE~~ SUPERINTENDING ENGINEER,
IIIRD CIRCLE.

To
THE Chief Engineer
P.W. Department
Madras

SIR,

+ 1350

Enclosures.

With reference to para 1352 of the P.W. Code, I have the honor to report that a schedule contract has been entered into with V. Cooposawmy Mood for the Arsenal Workshops at Bellary.

2. The Estimate for the work has been forwarded to the Military authorities for transmission to Government. It amounts to Rs 45500, but the Contractor's portion of the work is below Rs 20,000, and this he has agreed to complete before 31st March 1889.

I have the honor to be
Sir
Your most Obedient Servant

H. Smalley Col R.E.
Superintg: Engineer 3rd Circle

M.S.

2879W - 25-10-87
1904 - 17-1-88

No. 620C dy 13th Feby 1888

Memo

With reference to
his letter No 2887 dy 8th
February 1888 the Suptg.
Engr III circle is
requested to be good
enough to furnish
the particulars required
by para 1352 of the
P.W. Code.

[illegible]
11.2.88

Sdn
11/2/88

B Maj

E. III circle ✓ desn 13.2.88.

[illegible] Circles
do 17/2.

From
The Superintending Engineer,
IIIrd Circle.

To
The Chief Engineer
P.W.D.
Madras

Dated 8 February 1888.
Received 10.2.88

Enclosures.

No. 620C dy 13th Feby 1888

No. 2887

Arsenal Workshops at
Bellary.

Reporting that a schedule
Contract has been entered into
with V. Kooposawmy Moodr.
for the: ——

cw Arth Memo

Superintending Engineer's Office,
3RD CIRCLE
Bellary 12th March 1888.

No. 2614

FROM Lol H. Smalley R.E.
~~THE~~ SUPERINTENDING ENGINEER,
IIIRD CIRCLE.

To
THE Chief Engineer
P.W.D.
Madras

SIR,

Enclosures.

With reference to your Memorandum No. 620 C dated 13th Febry 1888
I have the honor to inform you that
the work connected with the Arsenal
work shops was given out to Kooposawmy Moodly on estimated rates. No
Contractors came forward when tenders
for new works were invited in certain
previous cases; and in order to save
delay in working out the allotment, the
Executive Engineer arranged with this
man to get the work done by schedule
contract.

2. Out of the estimate amount of
Rs 45,500 the portion of work to be carried
out by the Contractor amounts to Rs 17,356.

3. A deduction of 10% is to be made from each payment as guaranteed fund and this amount is to be forfeited to Government in case of breach of contract. The contractor is bound to finish his share of work before 31st March 1889.

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

A Smalley Col.E
Supt.g Engineer
3d Circle.

No. 1137 C d/ 16th March 1888

C/

Memo.

In the circumstances explained, the action of the Superintending Engineer in giving out the contract in question without first publicly calling for tenders, is confirmed but it is hoped that there will be no occasion to repeat this course of procedure.

MWS
15-3-88

MWS
15/3/1888

No. 620 C d/ 13-2-88.
" 3496 W. d/ 20-12-87.
" 3491 W. d/ 20-12-87
" 2879 W d/ 25-10-87
" 190 W. d/ 17-1-88.

Supdg. Engr. III Circle √
III Circle Desp. 17-3-88.

Dr 19/3

C.W.C. No. 2496

From

The Superintending Engineer,
IIIrd Circle.

To

The Chief Engineer
P.W.D
Madras

Dated 12 } March 1888.
Received }

Enclosures.

No. 1137 C d/ 16 March 1888

No. 2614

Arsenal Workshops at Bellary

Informing that the work connected with the [illegible] has been given to one Corfosvamy Moodly a contractor on terms of a schedule contract.

For Ch Engr disposal

ORDNANCE DEPARTMENT.

Copy of a letter from The Inspector General of Ordnance, Madras Circle
to the Director General of Ordnance in India
No. 175-29 dated 17th March 1888.

Adverting to the statement of allotments for Ordnance works at this Circle to be undertaken during the year 1888-89 included in your letter No. 90 Four dated, Agra, 2nd January 1888 to the address of the Secretary to the Government of Madras, Public Works Department, communicated to this office under your endorsement No. 932 Four dated, Agra 3rd idem, I have the honour to inform you that separate allotments were made for a workshop and an armourers' shop for the Bellary Arsenal and as provision for the latter has been included in the estimates for the former, I would request that the amount allotted for the armourers' shop viz Rs. 4650/- may be added to the amount provided

the

provided for the workshop viz. Rupees 18.000/- making a total allotment for the latter building for the ensuing year of Rs. 22,850/-. I may add that it is extremely desirable that the erection of the workshops should be pushed on with all possible despatch; the estimates and plans for which are nearly Ready, the former amounting to Rupees 45.500/-

I have &c

sd/ H. McLeod Colonel R.A.
Inspector General of Ordnance

True copy

[illegible] Asst Chief Clerk

Office of Principal of Ordnance Madras

ORDNANCE DEPARTMENT.

No. 7915, E

FROM

THE DIRECTOR-GENERAL OF ORDNANCE in India

TO

THE Secretary to the Government of Madras
Public Works Department
Madras.

Dated Calcutta 24th March 1888

Sir,

Under the circumstances stated in the accompanying copy of a letter, No. 17529 dated the 17th instant, I have the honour to solicit that the allotments of Rs. 18.000 and 4.850/- respectively, made in my letter No. 90 E/Four dated the 2nd January 1888, to your address, for the workshop and armourers' shop for the Arsenal at Bellary during the next official year 1888-89/- may be added together, making a total of Rupees 22850/- for the workshop building; and that the construction of the building which, it is understood, is to include the armourers' shop, may be expedited as much as possible after the

A
159-90 Wy 17/1/88

Mcllw 3030

the 1st. April next.

2. It is requested that, until further notice, letters to my address may be sent to Simla.

II
Toronto

874 B

by 29/3/88

I have the honour to be,

Sir,

Your most obedient Servant

D. H. Lowis Colonel

Director General of Ordnance in India

No. 1081 W. d/10th April 88

B

The required alteration will be made in the final issue of the Military Works Budget for 1888-89.

2. The 4th III Circle has been authorized to commence the work shop building vide telegram of 20th Decr 87 and the work should be expedited as much as possible

4/4/88 30.3.88

To Executive Engineer 4th III Circle

Q 60-190 W d/17-1-88
-3496 W 20-12-87
-3491 W 20-12-87
2879 W 25-10-87
-1376 C 16-3-88
-620 C 13-2-88

II

T.S. 18 C. 3-4-88 M. 5-4-88.

8006 12/W

No 25 b w x 25/W dy 24.1.88

P.W.C. No. 3282

T.S. 26/IV dy M. 7.4.88

8006 12/W

With order