

(1) Number of pages _____
 (2) Date of repair _____
 (3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 240	Press Mis.
463-464	
Dated 23-1-	1868.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23rd January 1868.*

No. 463. Read the following letter from the Controller of Military Accounts, Fort St. George, to the Secretary to Government, Public Works Department, dated Fort St. George, 17th January 1868 F:—

Letter from Inspector General, British Medical Service, to the Secretary to Government, Military Department, dated 25th November 1867, No. 262, with enclosures.
Letter from Commissary General, dated 14th January 1868, No. 7,925.

1. I have the honor to forward the correspondence as per margin, and to request that you will do me the favor to obtain for me an estimate of the cost of supplying and fitting up Duff's Stoves in the Hospitals of European Troops in this Presidency, according to the specification in the return, showing the number and size of the stoves required, which forms one of the enclosures of Dr. Hadaway's letter.

Dated 12th November 1867.

2. I shall feel obliged by the return of the correspondence.

Return showing the number and size of Cooking Stoves required for the use of the British Hospitals in the Madras Command.

Circle.	Corps.	Station.	No.	Size.	Remarks.
Presidency Circle.	Royal Artillery...	St. Thomas' Mount	1	For 50 men.	
	Invalid Depôt ...	Poonamallee ...	1	" 40 "	
	Convalescent Depôt ...	Wellington ...	1	" 40 "	
	Royal Artillery and Detachment 1st Royals, for present strength.	Trichinopoly ...	1	" 25 "	
	Do. do. if Barracks fully occupied	Do. ...	1	" 50 "	
	H. M.'s 3-60th Rifles ...	Madras.	None.		Already provided for
	No. 1-20th Royal Artillery.				
Mysore Circle.	Royal Artillery ...	Bangalore ...	1	For 54 men.	
	H. M.'s 16th Lancers ..	Do. ...	1	" 62 "	
	H. M.'s 2-10th Regiment	Do. ...	1	" 92 "	
	D. 20th Royal Artillery.	Cannanore ...	1	" 20 "	
	H. M.'s 1st Royals ...	Do. ...	1	" 80 "	
	Detachment 1st Royals...	Calicut ...	1	" 10 "	A small range.
	Do. do. ...	Malliapooram ...	1	" 10 "	Do.
Hyderabad Circle.	Royal Artillery...	Bellary.	None.	A Duff's range for the combined Hospital British Troops at Bellary has been for some time in use.	
	H. M.'s 76th Regiment.				
	Depôt ...	Ramandroog ...	1	For 20 men.	
	Royal Artillery ...	Secunderabad ...	1	For 100 men.	
	H. M.'s 18th Hussars ..	Do. ...	1	" 60 "	
	H. M.'s 2-21st Fusiliers.	Do. ...	1	" 100 "	
	H. M.'s 108th Regiment.	Do. ...	1	" 80 or 90 "	
	Royal Artillery ...	Kamptee ...	1	" 50 "	
	H. M.'s 102nd Regiment.	Do. ...	1	" 50 "	
	Detachment ...	Chindwarrah ...	1	" 14 "	A small range.
	Do. ...	Seetabuldee ...	1	" 10 "	Do.

Proceedings of the Madras Government, Public Works Department,
23rd January 1868.

Return showing the number and size of Cooking Stoves, &c. — (Concluded.)

Circle.	Cps.	Station.	No.	Size.	Remarks.
Burmah Circle.	C. 20th Royal Artillery..	Thayetmyo	1	For 20 or 25 men.	
	No. 1-5th do. ...	Rangoon.	1	Do.	
	No. 5-23rd do. ...	Tonghoo	1	Do.	
	No. 6-23rd do. ...	Thayetmyo	1	For 20 or 25 men.	
	Head Quarters, 2-19th Regiment.	Tonghoo	1	Do.	
	Right Wing, 2-19th Regiment.	Rangoon	1	Do.	
	H. M.'s 2-24th Regiment. Detachment 2-24th Regiment.	Port Blair	1	For 20 or 25 men.	

MADRAS,
12th November 1867.

(Signed) S. M. HADAWAY,
Inspector General, British Medical Service.

No. 464.

ORDER THEREON, 23rd January 1868, No. 240.

MILITARY WORKS, No. 22.

1. Communicated to the Superintending Engineers of the 3rd, 4th, 5th, 6th, and 7th Divisions, who will furnish the Controller of Military Accounts, with the required information.
2. The Public Works Department of Hyderabad and British Burmah is not under the control of this Government.

(True Extract.)

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

To the Superintending Engineers, 3rd, 4th, 5th, 6th, and 7th Divisions.
.. Controller of Military Accounts.

Ed. F. R. Bantleman.

OFFICE OF CONTROLLER OF MILITARY ACCOUNTS,
Fort Saint George, 14th January 1868.

From
The Controller of Military Accounts,
Fort Saint George,

To
The Secretary to Government,
Public Works Department,
Fort St. George.

Sir,

Letter from Major General British India Service, to the Secy to Govt, shewing the correspondence Dept., dated 25th Nov 1867, No. 262, with a per margin, and to request cheques.

Letter from Comd. Genl. dated 14th that you will do me the favor to obtain for me an estimate of the cost of supplying and fitting up Duff's Stoves in the Hospitals of European Troops in this Presidency according to the specification in the Pattern, shewing the number and size of the Stoves

Shoes required, which forms one of the
enclosures of Dr. Hadaway's letter.

2. I shall feel obliged by the return
of the correspondence

I have the honor to be
Sir

Your obedient servant

Thos M. Evans, Colonel,
Controller of Military Accounts

To the Superintending Engineers, 3rd, 4th, 5th, 6th, and 7th Divisions.
.. Controller of Military Accounts.

Exd. F. R. Bantleman.

B. W. W. D. D. D.
From *Pro. of Govt. Secy*
The Controller of Military Accounts,
Fort St. George.

To *The Secy to Govt. P. W. D.*
Fort St. George

Dated *17 January* 1868
Received *18*

Enclosure - *11*

Endorsement.

*Requests that an esti-
mate of cost of Cooking Stoves
for European Hospitals may be
furnished.*

CD. 240. 23 January 1868

No 463

To the Superintending Engineers, 3rd, 4th, 5th, 6th, and 7th Divisions.
.. Controller of Military Accounts.

Ed. F. R. Bantleman.

11-11. 0 d
Madras Jan 10 1868

From *Charles E. Grier Esq*
Male Asylum
To *The Commissary General*
Fort St George

In With reference to your letter, No 7689 I would observe
Duff's range has now been at work in this institution for
about seven years. During that period it has received no
repairs whatever except on account of the wearing out of some
of the parts most in use. Even counting this the total cost of
repairs of every kind has certainly not exceeded ten rupees
during the whole of the seven years, and the range appears to be
in as good condition now as when first made. Speaking from
my experience & observation I am enabled to say that it
answers admirably. It is so simple that any cooly understands
it at once. Its radiating power on the other hand is so small
that my European cook does not suffer even in the hot
season. All but the top is cased in fire brick which abso-
lutely economizes heat & saves the room from the high temperature.

that would otherwise occur. It is also very cleanly. I supply the cook with a little chumaw, ochre & black lead, and with their assistance it does not require more than two minutes daily to keep it perfectly clean & neat.

The first expense is great. Our range cost Rs 500, but it was made at Simpson's and I need not point out how large a margin on the cost is required in such cases. From some estimates that were prepared with reference to the construction of another similar range I imagine that the cost need not exceed Rs 300 at the outside. The chief part of the expense lies in the oven. If that be not needed I do not see why the stove should cost more than Rs 100.

Upon the introduction of the stove into this place the consumption of fuel fell 80 per cent - but one-fifth of the former supply was needed. The consequence was that the stove paid for itself before it had been twelve months in use. I am not prepared to say what the cost for fuel was previously, but I believe I am correct in saying that the amount allowed in the jails is six pie per man per diem. It could not have cost less here. Now the cost is considerably less than one pie per diem per person. My average wood bill is about Rs 50 per mensem for 300 inmates. This would give a daily cost for each individual of just over one pie. But this amount includes the fuel for

To the Superintending Engineers, 3rd, 4th, 5th, 6th, and 7th Divisions.
.. Controller of Military Accounts.

Exd. F. R. Bantleman.

3
another buff range of small size at the Hospital & also the
waste, charge for the cooking at the Asylum Press. There are other
main issues of wood to the boiler, for melting asphaltum. It
will certainly be beyond the actual cost by a considerable
fraction of I ^{say} generally that the cost is one pie per diem.
Another advantage that we experienced was in the diminished
number of attendants that are required. I believe five per-
sons were discharged when the stove was introduced. We have
now but two persons beside the tannecatch employed in the cook-
room, exclusive of the European in charge whose duties are more
to prevent speculation than afford physical assistance.

The range of fires in our cook-room was more than 30 ft long
formerly, the whole of this length was alight almost all day. Now
we have but one small fireplace fifteen inches by ten, and this
enclosed within an iron door. The stove is large enough to
cook seven different articles at once, in addition to provid-
ing hot water. By enlarging the copper & strengthening
the saddle into which they fit a thousand men might easily
be cooked for in this one stove.

I have the honor to be
Sir
Your most obedient Servant
Charles E. Lover
Pen. Sec. India

To the Superintending Engineers, 3rd, 4th, 5th, 6th, and 7th Divisions.
.. Controller of Military Accounts.

1886
Summ. effected by the
Staff Surgeon General

From
The Surgeon General
Madras

1886
Jan 12

1886

To the Superintending Engineers, 3rd, 4th, 5th, 6th, and 7th Divisions.
.. Controller of Military Accounts.

Exd. F. R. Bantleman.

15
Commisary General's Office
Madras 14th January 1886

From
The Asst. Commisary General

Madras
To: The Controller of Mil. Accts.
Port St George

Sir,
I have the honor in returning
the correspondence, received with your
letter No 866, dated 1st December
1885, to report that no Cuffs stores
are worked under the immediate con-
trol of this Department. I am
therefore unable to state whether
a saving in fuel is effected by
them or not.

2. It has never been represented
by the Regiments using them, that
there has been a saving, and the
same allowance of fuel is issued
now that was supplied prior to their

1262

Office of Inspector General
British Med. Service
Madras 25th November 1869

Through the
Controller of
Accounts Military
Department

Sir,

I have the honor to forward correspondence relative to the supply of cooking stoves for the several Hospitals belonging to the British Service in this Presidency, which took place in consequence of Colonel Loudon's letter to me of the 17th May 1869 No. 1145, and since my reply thereto of the 28th of same month No. 39, I have seen more of the Dup's cooking stove in operation and now think it to be perhaps the best for the purpose required, and have therefore to request you will be pleased to obtain the sanction of the Government for the same being supplied to the several European Hospitals in this Presidency, according to the accompanying return of the different sizes required for each station.

In conclusion I beg to observe that a considerable saving in fuel will be obtained by the adoption of the Cooking stove over the present native system besides the

To,
The Secretary
to Government
Military Depart^t.
Fort St. George

1262/30

the very great improvement that will
take place in the cooking of the diet,
a change which is specially wanted in
Burmah.

I have the honor to be
Sir

Your most Obedt. Servant

W. D. D. D.
Inspector General B. I. S.

N^o 1145

25
Commissary General's Office
Madras 17 May 1864.

From
The Commissary General

To
The Inspector General
Medical Department
Fort Saint George.

Sir,
I have the honor to request you will
have the goodness to favour me with a reply
to my letter N^o 8854 dated 26 April 1866 request-
ing to be informed what pattern stove should
be supplied to Hospitals with reference to
G. O. G. N^o 58, of 13 February 1866.

I have the honor
Yours

Signed J. London. L^{ieut} Colonel
Acting Commissary General

Encl^{osure}
P. Venour.

SECRETARY
INSPR GENL
D.M.S.

Received

The Inspector General
Medical

at
Fort Saint George

on
the 26th May 1864

at
Fort Saint George

Dated 26 May 1864

Recd

N^o 1145

Forwarding Commission
and 9 regiments the
direction of Government
that all supplies may
be supplied to the
Coastal Station
for each station

P. Venour

2 12 1863

Office of Inspector General
Indian Medical Department
Fort Saint George 23 May 1867.

From
The Inspector General
Indian Medical Department
Fort Saint George

To
The Acting Commissary General
Madras

Sir, I have the honor to inform you that
your letter No 8854 of the 26 April 1866 on the
subject of stores for Hospital use was trans-
ferred to the Principal Medical Officer
British Troops for disposal, as stores being
exclusively authorized for European Troops,
the subject is not cognizable by this Dept.
2 Your letter No 1145 of the 17 Instant
now acknowledged will also be transferred to
the Inspector General British Medical Service
with copy of this letter.

I have seen
(signed) W. Mackenzie M.D.
Insp. Gen. Ind. Med. Dept.

(True Copy)
(signed) W. Mackenzie M.D.
Insp. Gen. Ind. Med. Dept.

No 1504
To The Insp. Gen. British Med. Service
with letter No 1145 of 17 Instant

Truelopy.
W. Renour.

SECRETARY
INSR GENL
B.M.S.

Regarding reply to
letter asking what portion
stores should be supplied
to Hospitals.

Dated 19 May 1867

To The Inspector General
Indian Medical Department
Fort Saint George

From The Inspector General
Indian Medical Department
Fort Saint George

Enclosed No 1504

No. 39.

29

Office of Insp^r. Genl^l
British Med^l. Service
Madras 28th May 1867

Sir,

In answer to your letter No. 1145
of the 17th instant referred by the
Inspector General Indian Medical
Department.

I have the honor to recom-
mend, that the Stove, called -

"The enchantress," used in the Kitchen
of the 16th Lanciers at Bangalore
should be the pattern supplied
for European Hospitals -

I have &c.
Signed J. McAdaway
Insp^r. Genl^l of Hos.
British Med^l. Service

To

The Ad^l. Commissary General

Fort. Saint George

True Copy

H. F. F. F.

SECRETARY
INSR GENL
B.M.S.

1867

The Insp^r. Genl^l
B.M.S.

1st N 2009/60
Dated 23rd May

28th May

Enclosure one

Forwarded copy of letter
understand to the Insp^r. Genl^l
of the 16th Lanciers at Bangalore
this letter on the subject of
stoves for troops use and
transferred to the British
Service for disposal.

4 No 1919

31
Executive Commissariat Office
Madras 19 June 1867

To,
The Inspector General
British Medical Department
Madras

Sir,
In accordance with your letter No 39
dated 23 May 1867 I advertised for Enchantress
Stores but obtained no tenders.

2, I have however ascertained from Messrs
Oakes & Co that they have some of these stores
which they offer to let me have at 50 Rs
reduction on the rates mentioned in the enclosed
Memo.

3, But as the cost involved will be heavy
and will probably be objected to by the Audit
Department, I would beg the favour of your
opinion as to whether these stores should be
purchased.

4, I would also note that from the tenor
of the G.O. I should gather that the stores
there sanctioned, are intended rather for
warming them for cooking purposes.

I have the honor
Yours

Signed / H. B. Hawkes Captain
D. A. G. Genl.

W. Flour.

SECRETARY
INSPR GENL
B.M.S.

INSPR GENL
B.M.S.

18/2009/55

Enchantress Stove

A very useful and Portable Stove adapted to Residents in the Mofussil & planters.

	L	B	D	Front & side grating	Price	One
No. 1	25	21	22		200	One
" 2	23	19	20		180	One
" 3	20	16	20		150	One

N.B. The above prices include the charges for the following utensils which are made purposely to fit each stove.

- 1 Kettle, 1 Iron Saucepan without Lid.
- 1 do with Lid, 2 Tin Steamers, 2 Ham Boilers with copper bottoms, 1 Small Tin Saucepan,
- 1 Iron Frying Pan, 3 Baking Dishes, 1 Grid
- 1 Long Baking Dish, 1 Poker & Hook.

N.B. A few utensils deficient.

Signed / Messrs. Cates & Co.

Thos. P. P. P.

SECRETARY
INSPR GENL
B.M.S.

SECRETARY
INSPR GENL

1866

Enchantress
by Messrs. Cates & Co.
Madras

Patent 19th June 1866

1866/67

Regarding opinion
if it is to purchase
the Enchantress Stove for
Hospital.

6
N^o 472.

35

Office of Insp^r Genl^l
British Med^l Service
Madras. 21st June 1867.

Sir,

In reply to your letter N^o 1919 of the
19th June 1867.

I have the honor to inform you that
when replying to your former letter N^o 1145
of 17th June, I was under the impression
that you wanted my opinion as to the kind
of Cooking Stove I would recommend for
Hospitals.

I am not aware that Stoves for warm-
ing the Wards have as yet been supplied to
European Hospitals in this country, but I
should think a very much less expensive
Stove than the "Cuchantress" would answer
the purpose, at the same time the expense of the
Stove will depend greatly on the size of Ward
that has to be heated.

I have &c.

Captain Hawker

D^y Asst. Com^d Gen^l

Madras

Tru^{ly} Yrs

H. Murray.

Signature of J. M. Macdaway

Inspector General of Hos^p

British Med^l Service

SECRETARY
INSPR GENL
B.M.S.

4 N 2404.

37
Commissary General's Office
Madras, 8 July 1867.

From
The Acting Commissary General
Madras

To
The Inspector General
British Medical Service
Madras

Sir,
With reference to your letter N. 39 dated 28 May 1867. I have the honor to annex for your information copies of 2 letters dated 2 May and 27 June 1867. from the Deputy Inspector General of Hospitals, Hyderabad Subsidary Force, the former submitting a requisition for three cooking stoves and the latter giving a description thereof, and I trust you will be good enough to furnish me with a Memo of the number of stoves that may be required for all the European Hospitals at the different stations of the army together with a sketch shewing the sizes of the stoves which you consider to be adapted for Hospital purposes in order that I may forward an indent for the same on the Home Authorities.

2, I take this opportunity to request that I may be informed whether the stoves referred to in G.O. N. 58 of 1866. are intended for cooking purposes or for warming only?

I have &
[Signed] J. Loudon D. Colonel
Acting Commissary General

True copy.
W. Vernon.

SECRETARY
INSR GENL
D.M.S.

1/11/2009/20

N. 264 & 711

No 264.

Office of Deputy Inspector Genl of Hosp:
Hyderabad Subsidiary Force

From

Depy Insp: Genl of Hospitals Edward Palfour
Dy Insp: Genl of Hosp: H. S. Force.

To

The Executive Commissariat Officer H. S. F.

Sir,

I have the honor to submit for the ap-
proval of the Commissary General that suitable

	no of stores required	cooking stores be obtained by for the cook rooms
Infantry Hospital Shimulgherry for two Regiments of Infantry.	1	
Artillery Hospital Shimulgherry for 4 Batteries of Artillery about to be erected.	1	
Cavalry Hospital Secunderabad for one Regt.	1	

of the Hospitals as per margin.

I have on

/signed/ E Palfour Dy Insp: Genl.
Dy Insp: Genl of Hosp: H. S. F.

Secunderabad
2^d May 1867

No 711

Medical Department
Office of Dy Insp: Genl of Hosp: H. S. F.

From

Dy Insp: Genl E Palfour.
Dy Insp: Genl of Hosp: H. S. Force

To

The Ex: Commissariat Officer
H. S. Force.

Sir,

I have the honor to acknowledge receipt of
Commissary General's No 1201 dated 28th May 1867
I am of opinion that of all the cooking stores
which

which I have read of or seen, the best seem
those known as "The Patent American Stove"
sold by Joseph H. Riddell 105 Cheapside London.

2. There is one issue here with the D.D. R.H.A.
and its saving in fuel is such that perhaps
half the allowed quantity of the 3 per man of
firewood suffices for the cooking.

3. Their selling price is named at £37-10
and they are described as capable of cooking
for 150 to 200 persons, such a number is greatly
larger than any Hospital in India stands in
need of, and if cooking ranges for up to 75 could
be had, I think that such would be for the
Presidency of a more suitable dimension than
those advertised as sufficient for 150 to 200 persons.

4. I mention this kind of range, I
recently saw in the Calcutta Club a kind
on the principle of Captain Grants recommend-
ations easy of introduction which could be ap-
plied in any Military Station.

Sunderabad
27 June 1867

I have
Signed / C. Palfour
Dy Insp. Genl of Corps H. & F.

/ True Copies /
Signed / London L. Colonel
Dy Commissary General

True Copy
H. Keenour.

SECRETARY
INSR GENL
B.M.S.

P. H. 200/107

Office of Insp. General
British Med. Service
Madras. 9th July 1867

Sir,
In reply to your letter No. 2404 of
the 8th instant, with the letters of D. J. G.
Palfour, Indian Med. Department at-
tached, - I have the honor to request the
favor of your furnishing me with the authority
for Cooking Stoves being supplied to European
Hospitals and the information called for in
Para 1 of your letter shall be forwarded to your
Office without delay.

The G.O. No. 58 of 13th February 1866
to which you refer in Para 2 of your letter distinctly
states that the Stoves are for board purposes and
that a second may be sanctioned for a Regt.
of Infantry or Cavalry.

I have
Signed / S. H. Madanay
Inspector General
British Med. Service

To
The A. & Commissary General
True Copy
W. Keenour.
Madras.

SECRETARY
INSR GENL
B.M.S.

No 3/66.

9

Commissary Genl's Office
Madras 6th August 1867.

From,

The Commissary Genl.

To

The Inspector Genl. of Hospls.
British Med. Service
Madras

Sir,

Referring to para 2 of your
letter No 527 dated 9th July 1867.
I have the honor to forward an ori-
ginal communication No 808 dated
19th July 1867 to be returned from Doctor
Balfour, received by the Executive
Commissariat Officer Secunderabad,
through the Deputy Insp. General
Marlow, regarding cooking stoves
for Hospitals.

I have &c.

J. Loudon St. Col.

Acting Commissary General

Encl.
Wm. Wm.

SECRETARY
INSPR GENL
B.M.S.

17/20/67

No 808 10

Office of Dy Insp^r Genl
U.S. Indian Med^y Depart^t

From,

Dy Insp^r Genl of Mr. C. Palfour.
U.S. Indian Med^y Depart^t

To,

Dy Insp^r Genl Marlow. M.D.
Dy Insp^r General. P. M.

Sir,

I have the honor to mention that my letter
264 of 2nd May merely submitted for the appro-
val of the Commissary Genl the provision of suit-
able cooking stoves for the Hospitals, I did in the
hope that the Commissary General's experi-
ence and familiarity with the subject would
enable him to recommend application for them.
I read the reply in letter 1201 of 28th May in that
light; and though a copy has not been furnished
of the letter to Insp^r Genl Hadaway, I have
no doubt that the reference was made with
the object of ascertaining the approval or disap-
proval of my recommendation. - Had they been
authorities of authorized supply, they would have
been within my own power to sanction and the
submission to the Commissary Genl of any
suggestion from me would not have been required
and which alone was sufficient to indicate the
character of my recommendation -

2. As the suggestion which I made has thus
come

of 1st May 1866

Commissary Genl

Hadaway

to

Inspector Genl of Hospitals

Mr. Marlow

Hadaway

No 3166

June 6th August 1866
Recd of

I forwarded a letter from
Mr. Palfour regarding
cooking stoves for hospitals

come back to me, I may mention as my conviction that the cooking of the Soldier's food and diet is inferior, and I have so stated in my letter 2970 of 1866, on the health of soldiers, and I have no doubt that cooking stoves would be a useful and cheap means of improving ^{the} same - there are two in use in the General Hospital Madras. One in the Bellary Hospital, and its cookroom was a model of neatness and cleanliness and tidiness.

3. There are, of course, other means to good cooking and one of these is good cook; but the salary of Hospital Cooks is less by 3.4.6 & 6 Rupees what is given in every private family where the work is comparatively light -

4. While serving at Bangalore, I was informed that an Artillery Officer got from England at his own expense a cooking stove for the soldiers under his command, and an Artillery Officer here Major Menegau has brought a valuable cooking stove at his own charge for the soldiers of the Battery which he commands - and such facts will indicate the convictions of others, as to the need for improved cooking arrangements for rations, such as I have suggested for Hospitals, and whether for cooking rations or diet stoves should be necessary.

Regiment

47 21
Regiment and Hospital in India
I have &c
Signed E. Daffour
Dy Insp, General
of the M. G. S. Dept.

Seunderabad
19th July. 1867
True copy
N. Kumar.

SECRETARY
INSPR GENL
H. M. S.

11 A-635.

49

Office of Insp. General
British Med. Service
Madras 7th August 1867

Sir,

I have the honor to acknowledge the receipt of your letter No. 3166 of 6th August 1867. enclosing a letter No. 808 of 19th July 1867 from Deputy Inspector General of Hospitals Dr. Balfour Indian Medical Department -

I quite concur with Dr. Balfour, that Cooking Stoves are requisite both in Barracks and Hospitals, and as far as I can judge. "The Enchantress Cooking Stoves" used in the Kitchen of the 16th Lancers at Bangalore and recommended in my letter No. 39 of 28th May to your address or Duff's Cooking Stove, would be the most useful for Barrack or Hospital purposes -

I have &c.

The Commissary Genl.  W. J. M. Maduway.
Madras Inspector General
B. M. Service.

Enclosed
W. J. M.

SECRETARY
INSPR GENL
C. M. S.

22/8/67

N^o 3540 12

51
Commissary Genl^l Office
Madras 21st August 1867.

From,
The Acting Commissary General
Madras.
To
The Inspector General B. M. S.
Madras

Sir,

In acknowledging the receipt of
your letter N^o 635 of the 7th August 1867. I have
the honor to request you will be good enough to
inform me, whether the supply of Cooking
Stoves for hospitals can be made on the strength
of G. O. N^o 58 of 15th February 1866 - wherein it
is stated that the Stoves are for Ward purposes,
if not I would beg the favor of your obtaining
the requisite authority for the same -

2. I also request you will have the goodness
to furnish me with a Memo of the N^o of Stoves that
may be required, as called for in my letter N^o
2464 dated 8th July 1867, in order that I may
forward an indent for them on the Home
Authorities -

3. The requisitions received at this Office
are for 3 Cooking Stoves for Secunderabad &
for two Stoves for warming of wards at Ramples
I have &c.

Yours truly
W. Murray.

Signed, Gordon Lieut. Colonel

SECRETARY
INSR GENL
B. M. S.

17200/10

No. 717 13

Office of Inspector Genl.
British Med. Service.

Madras. 23rd August. 1867.

Sir,

In reply to your letter No. 3540 of
21st instant -

I have the honor to state that I do not
consider Cooking Stoves for Hospitals can be indented
for or supplied on the strength of the L.O. No. 58 of
13th February 1866 - as that Order most distinctly
states the purpose for which Stoves are sanctioned
as well as the number allowed for a Corps; but
on the strength of your letter I shall make recom-
mendation to Government for the supply of Cooking
Stoves to all Hospitals throughout this Presid^y and
British Burmah -

2. The information called for in the 2nd para of
your letter, shall be furnished on receipt of returns
from the Administrative Officers of Circles showing
the number & size of the Cooking Stoves required for
the several Hospitals in their respective Circles -

I have &c

The Commissary Genl.
Madras

Signed J. M. Madaway
Inspector General
B. M. S.

True Copy
W. Fenner.

SECRETARY
INSR GENL
B. M. S.

No. 717 13

From, 1st 200/100

The AG. Comm^r Genl.

To,

Madras

The Inspector Genl.

British Med. Service

Madras

Dated 21st August 1867
Recd. 22nd August 1867

Costs and give certain
information relative
to Cooking Stoves for
Hospitals

14

N^o 1108

55 56

Office of Inspector General
British Medical Service
Madras 12th November 1867

Sir

In continuation of my letter

N^o 717 of 23rd August 1867.

I have the honor to forward
a Return shewing the number and size of
Cooking Stoves required for the use of the Bri-
-tish Hospitals in the Madras Command.

I have &c.
Sigd R. H. Adaw
Inspector General
B. M. S.

To
The Commissary General
Madras
Enclosure
W. H. H. H.

SECRETARY
INSPR GENL
B. M. S.

1 N 2008/1108

No 6216 16

57
Commissary Genl. Office
Madras 15th Nov^r 1867-

From,

The Commissary General-

To,

The Inspector General.
British Medl. Service
Madras.

Sir,

I have the honor to acknowledge
the receipt of your letter No 1108 dated 12th Nov^r
1867- with a Return showing the number
and size of Cooking Stoves required for the
use of European Hospitals-

2. To enable me to take action in the
matter; I request you will be good
enough to furnish me with the sanction
of Government which you were good enough
to promise to obtain vide your letter No 717
dated 20th August 1867-

I have &c

Truly yours
W. Keenan.

Signed J. Loudon Smith Col.
A. & Comd^g General

SECRETARY
INSPR GENL
B.M.S.

17 Nov 1867

N^o 1137

59

Office of Inspector General
British Medical Service
Madras 16th November 1867

Enc.

Acknowledges receipt of
Letter N^o 6216 of the 15th instant, and to
state that a recommendation will be made
to Government for Cooking Stoves to be sup-
plied for the use of the Hospitals of H. M.
Troops in this Command; and the result will
be communicated in due course.

Signed R. Madgwick
Inspector General
British Medical Service

The Commanding General
Madras

True Copy
W. Vernon

SECRETARY
INSPR GENL
B.M.S.

N^o 433

Drury N^o
1867

P N 200/60

From Comd^g General
Madras

Inspector General
B. M. S.

Letter N^o

Dated 15th 11 November 1867

Enclosure

Requests sanction of Comd^g
to be obtained for the supply
of Cooking Stoves to Hospitals

No 250

61 ~~51~~

Office of Inspector General
British Ind^l Service
Madras 19th November 1867.

Sir

The Subject of supply of Cooking ranges
for European Hospitals in this Presidency and Buomah
being now before me, and previous to submitting the
question to Government.

I have the honor to request the favor
of your opinion, as to what particular kind of
range would be most suited to the Hosp^l Cook
houses or any information you may be pleased
to favor me with.

2 Buffs, Grenadiers, and the Enchanters
Cooking ranges have each their advocates:-

I have &c

/s/ M. Hadaway
Inspector General
British Ind^l Service

Colonel A. R. C.
Secretary to Government.
Public Works Department
Fort Saint George

/True Copy/ W. Vauour

SECRETARY
INSPR GENL
U.M.C.

17/200/60

No 32

63

From

Colonel Charles A. Orr. R. E.
Secretary to Government
Public Works Department

27/2

The Inspector General
of the British Medical Service.

Sir

With reference to your letter of the 19th
November 1867, No. 250, I have the honor to forward, for
your information, the accompanying collection of papers,
and to state that as Guff's Cooking ranges and the iron
ranges made up at the Mint have not been sufficiently
tried, it is impossible to pronounce any opinion on their rela-
-tive merits. The "Enchantress" Cooking range has never
been set up by the Public Works Department, and, as
regards the Sumblston range lately erected at Bangalore,
you will observe from the order of Government of the 13th
November 1867, No. 3498, that it is considered to be faulty
in principle, and inferior to Guff's ranges and to those sup-
-plied from the Mint.

I have &c

Signed C. A. Orr. R. E.
Secretary to Government.
Public Works Department.

Public Works Depart.
Fort Saint George
21st November 1867
True Copy
W. Fenner

SECRETARY
INSPECTION
GENT.
U. M. S.

The Inspector General.
of the British Medical Service
with a collection of papers

17/11/67

2nd
Pam. Stat.

66

Public Works Department.

No 240

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 22nd Decr 1868

Read the following

From the Controller of Military accounts (Here enter No. dated)

Communicated to the
Superintending Engineer
of the 3rd, 4th, 5th, 6th and
7th Divisions, who will
furnish the Controller
of Military Accounts
with the required infor-
mation

2. The Public Works
Department of Ay-
derabad and British
Burmah is not under
the control of this Govt.

Controller of
Military Accounts

Decr 24/1868

Upd

Proc 23rd Decr 1868

12th 200/1868

463-1164

P. W. 1862. Department.

Proc. of Govt. for January

No. 240

PROCEEDINGS OF GOVERNMENT of India.

Dated 23rd January 1868

Directing the Inspecting
ing Engineers of Nos 3, 4, 5, 6 &
to furnish the Controller of
Accounts with estimates of
the cost for the supplying and
fitting up of Duff's Cooking
Ranges in the Hospitals of
European Troops in their respective
charges.

No 463 & 464

(1) Number of pages 8
(2) Date of repair 27-5-43
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. <u>242</u>	Press
<u>467-468</u>	~~Mis.~~
Dated <u>23-1-</u>	<u>1868</u> .

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
23rd January 1868.*

No. 467. Read the following Proceedings of the Madras Government in the
Revenue Department:—

Passing orders on Mr. Robinson's report of the
result of his enquiry into the condition of the
Chendragiri talook of the North Arcot Dis-
trict. } (Here enter 18th January 1868, No. 145.)

No. 468. ORDER THEREON, 23rd January 1868, No. 242.

LOCAL FUNDS, No. 57.

Civil Works.

Communicated to the Superintend-
ing Engineer of the 4th Division.

(True Extract.)

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

To the Superintending Engineer, 4th Division.
,, Controller of Public Works Accounts.

Exd. S. T. Augustin.

No. 286. Read the following letter from the Acting 3rd Member of the Board of Revenue, on tour, to the Chief Secretary to Government, Fort St. George, dated Chittoor, 5th January 1868:—

1. I have spent two days in conducting a thorough inquiry amongst the people into the condition of the Chendragiri talook, accompanied by the local officers. It consists of the upper valleys of the Surnamuky river and its hill affluents. From its condition the state of the Kalahastri Zemindari, which lies lower down the valley, may be fairly estimated, and the condition of the upper parts of the Surnamuky valley, no doubt, re-appears in the lower tracts through which this river passes in Nellore.

Chendragiri Talook.
Area 553 square-miles. Population 91,275 (or 165 to the square-mile.) Agricultural population 58,993. Miscellaneous population 32,282.

2. The rain-fall of the year was irregular, and, on the whole, very deficient. The total rain-fall has been measures 24-4-0, against an average of measures 43-3-7. The rain-fall was insufficient in August and September, and not well distributed; agricultural operations were therefore thrown late, and inferior dry land crops were more extensively substituted than usual for the ordinary wet grains for the first crop. During the last two months of the year, when ten to fifteen measures of rain should have

Months.	Average of three years, 1863-65.	In 1866.	In 1867.
May	1 6 7		
June	2 6 0		2 5 0
July	2 2 3	2 6 0	2 4 0
August	8 2 0	13 5 0	5 5 0
September	4 6 7	3 2 0	3 4 0
October	5 3 0	12 7 0	6 4 0
November	9 5 3	3 7 0	0 0 0
December	6 5 7	7 0 0	1 4 0
Total	43 3 7	43 3 0	24 4 0

fallen, there was no rain: the slight fall shewn in December consisted of mere passing showers, which sufficed to keep pasture alive, but little more.

3. The tanks of the talook (both public and private) number 234. None of them received at any time more than two to three months' supply, and at this moment only forty are not absolutely dry: most of the latter will not last over this month. The large Perur tank, which usually lasts through eight months, is absolutely dry, and the other principal tank (Pedda Pakala) of the talook has about fifteen days' supply for the cattle only remaining. The agriculture of the talook is dependent, in a great measure, on its river-channels (ninety-one in number) and spring-channels (228). No fresh occurred in the Surnamuky river, and the river-channels had no adequate supply at any period of the year. Many of them have now nearly ceased, all are fast drying up. The spring-channels, too, have comparatively failed; those which are still running are flowing as feebly as they usually do in the month of April. The agriculture dependent on both classes of channels has, therefore, never had a chance. Finally, agricultural wells, likewise, are now too low to bring to maturity more than half of the crops usually dependent upon them at this time, and the sugar-cane is scarce and poor.

4. The consequence of the above conditions has been a serious disaster to the agricultural produce under every head throughout the talook.

*Proceedings of the Madras Government, Revenue Department,
18th January 1868.*

Actual holdings exclusive of relinquishment and including land taken in after the usual period.			NOT PLOUGHED.	
	In 1866.	In 1867.	Area.	Per cent.
Dry.	7,050	9,713	Cawnies. 1,580	16.2
Wet.	4,210	4,328	897	20.7
	11,260	14,041	2,477	17.6
Deduct not ploughed ...		2,477		
Cultivated ...		11,564		

5. The Revenue account shew an area of cawnies 14,010 of land (9,713 of dry and 4,328 of wet) taken up by the farmers at the usual time, being an apparent increase of 2,780 cawnies, or 24.6 per cent., over the area undertaken during the previous year. The prevalent anticipation of a favorable season led to the farmers entering into extended engagements; but, of the area so proposed to be brought under the plough, 2,477 cawnies, or 17.6 per cent., viz., 2,477 cawnies, remained unploughed, for want of rain. Thus in fact there was no increase, but a decrease in the amount of land brought into cultivation and sown during the past year as compared with the previous year.

6. The actual cultivation was further seriously affected. Of the wet land a much increased area was put under, as above stated, inferior dry land crops, Raggy, Cumbu, Cholum, and Waragu, instead of the more remunerative crops usually cultivated in consequence of the deficiency of water in the tanks and channels, and unfavorable prospects of the advancing season, and a smaller area than usual was put under rice as the second crop. The precise breadth of wet land, which was thus put under less remunerative crops than usual, is variously stated by the farmers themselves, at from one-fourth to three-fourths of the whole area, according to the situation of their village: under the hills the area was larger, under channels less. On the whole, the local officers and myself cannot estimate the extent of wet land put under dry crops at less than one-fourth to three-eighths more than in ordinary years. A considerable area of two-crop land was only put under crop once. The out-turn of the harvest from wet or irrigated lands for both crops cannot be taken higher than five-eighths of the usual crops, as corrected by the local officers; for the farmers themselves estimate it below one-half of the usual yield.

7. As regards dry lands, as above stated, the sowing fell late, and the rain-fall even at that season was insufficient; lands remained unsown, and the sowings did not get a good start. The crops grown on dry lands require rain throughout October, November, and December, and are harvested chiefly late in December and in January and February. Deficient rain in October, and the entire failure of rain in November and December, have had a most disastrous effect on the whole agricultural produce of this class of land (dry), in fact caused almost total failure. No Indigo (a crop of considerable importance in the talook) was sown; the Waragu (a coarse grain, which forms an important item of the food of the lower classes) and gram have entirely withered; and it would be unsafe to estimate the yield of the Raggy, Cholum, and Cumbu crops at more than one-fourth of the ordinary out-turn. In fact, probably, seventy-five to eighty per cent. of the dry crops has been lost.

8. It is not easy, under the present circumstances of this district, and in the face of the coming Jamabundy, to arrive at a very precise estimate on the above

*Proceedings of the Madras Government, Revenue Department,
18th January 1868.*

points from the sufferers themselves; but the facts elicited in a careful inquiry, during which I have been in communication with a large body of the principal farmers and village officers of the talook, lead to the above conclusions, and the local officers, as at present informed, do not consider the results as so stated, exaggerated. Be this as it may, there can be no doubt that very serious disaster has overtaken the agriculture of the year; and the grains which have suffered most are those which form the staple food of the laboring classes, and are least likely to be supplied by the ordinary operations of trade.

9. Prices remain pretty stationary, with an upward tendency. The crops such as they are being in the markets at present, a rapid rise is reasonably anticipated.

10. Scarcity of water for domestic purposes and for the cattle will become a serious inconvenience as the year advances. The wells are as low now as they usually are when the weather is far advanced, and many must soon become absolutely dry. Still so far as I could learn, sufficient drinking water will be forthcoming to sustain life, of man and beast, even in the less favorable localities. In the meantime the attention of the local officers will be given to this matter, and should these anticipations prove too sanguine, wells for improvement (with aid from special sources) will be put in hand.

11. The cattle have fodder for the present. There are the remains of last year's stacks; the farm-stock is feeding on the withered crops, and the hills afford means of pasture not found in other talooks, so that for the present the farm-stock seems to be not badly off, and continues healthy. There is no epidemic disease at present amongst them.

12. The population of the talook is 91,275, of which 58,993 are returned as agricultural. The cultivators of the talook are for the most part peasant farmers, and do not employ farm servants, but the above includes the permanent farm servants (Shedigar, &c.,) of the talook. The actual cultivators and their servants have the means of livelihood; for the present there is no immediate indication of the farm servant being turned adrift on the labor market, always a last resource with farmers in this country. It is threatened however.

13. Thirty-two thousand (32,282) persons are returned as non-agricultural. In the towns of Tirupatty and Chendragiri, and their neighbourhoods, there is a considerable miscellaneous and wealthy population, which is safe, but notwithstanding a wide margin left for these, the laboring class, which lives from hand to mouth in this talook, is large. The means of employment at present open to these are, collecting wood in the hills (in which they are somewhat hampered by the needful forest rules), service of pilgrims, and public works including railway work. Work must in all likelihood be found for an increasing number of these as the year advances. It will, therefore, be desirable at once to extend the operations of Public Works Department, and allow the Revenue authorities to execute some irrigation works. Indeed, the dilapidated state of many of the existing tanks and channels has greatly aggravated present difficulties.

14. Several communications, as per margin, have been sanctioned for partial expenditure from Local Funds during this year, and are in progress. The allotment must be added to in anti-

- I. Extension of branch road via Penamary to meet No. 7 Tripatty road. Balance of estimate Rupees 3,360.
- II. Completion of Tripatty and Pudy road.
- III. Extension of do. do.

*Proceedings of the Madras Government, Revenue Department,
18th January 1863.*

pation of next year's Budget, and the balance of the estimate expended during the next four months. The road noted in the margin, already sanctioned for Budget of 1868-69, should likewise be put in hand at once, with an allotment of Rupees 3,500. A number of well distributed and highly remunerative irrigation (river and spring-channel) works have been fully discussed, and are in abeyance for want of funds. These must be put in hand, with special allotments to meet progressive pressure. I will submit a statement, in form, of all proposed works in the course of a few days.

While writing on this talook, it will be desirable to allude to the Kalahastri Zemindary, lower down the valley of the Surnamuky river. There is little hope that this tract is in any respect in a better condition than the Chendragiri talook; but during the time of the pressure, last year, the Zemindar used his influence to impede the export of the grain grown in his Zemindary. There was consequently abundance, and reasonable prices ruled. It seems likely that he will, right or wrong, do the same again, and Government interference, even if desirable, would not lead to any practical result. There will probably, therefore, be a fair supply of food to be had if money to purchase it can be earned. In the meantime the two great roads Tripatty Station to Naidupettah. now in progress, noted in the margin, Branch for do. to Venkatagiri (Nellore District.) afford abundant employment for any laboring poor requiring wages, and the allotments can be added to if the demand for wages should outrun the sanctioned allotment before the close of the year. The works must be pushed on with the assurance that further funds will be forthcoming when required.

14. There is no immediate necessity to open relief houses at present in any part of this district; however should the necessity arise, the centres of suffering have been carefully ascertained, and it will only be necessary to revive the judicious arrangements of last year. The local officers are on the watch, and will anticipate any necessity and stimulate local charity.

No. 287.

ORDER THEREON, 18th January 1863, No. 145.

Miscellaneous.

The Government await the list of proposed works promised at the close of paragraph 14; but meanwhile they authorize Mr. Robinson to put in hand any Local Fund works provided for in the next year's Budget, which it may be desirable at once to undertake in anticipation, as a means of providing employment for laborers thrown out of work.

(True Extract.)

To W. Robinson, Esq.

„ the Board of Revenue.

„ the Accountant General.

„ the Public Works Department.

Erd. S. T. Augustin.

Secretary to Government.

List 242 No. 242.

Comm. to the Supg Engineer of the 4th Div.

2086, Dns

23 Jan 1863

22/1/63

1st 1060 Sept
Pro: of Good for January
£ 214
W: of the Masons Com
Received Sept

£ 10⁰ 2nd Janry/61
£ 20⁰ 20th Janry/61
£ 145

Paying orders on
Mr Robinson's report of
the result of his inquiry
into the Condition of the
Chendragiri Taluk of
the North Arcot Dt.

N^o 242-23rd Janry/61

With an Order

N^o 467 & 468