

(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. *445* (9) Press
Mrs.

Dated *7-2-* 1877.

Not to be folded or roughly handled

No. 249.

Read the following :—

Report of Mr. J. C. JOHNSTON, Assistant Engineer, on Special Duty, for the week ended 27th January 1877.

I HAVE completed the plans and estimates for the Gundlacamma River scouring sluices; the reports and specifications have to be carefully reconsidered, when all the papers will be ready to be submitted.

2. I have settled the dimensions, falls, and bed-levels of the two town fresh water channels up to the south end of the town; beyond this, a few more levels as far as the river are necessary, and these will be run to-day (29th) by Mr. Peters, the extra Overseer. The Surveyor also is running a short line east of the town to complete the scheme.

3. On Friday I wrote to Mr. Farmer * asking him whether it would be convenient to him to meet me on Monday the 29th to fix upon the sites of the proposed cisterns connected with the conduits. As I have not yet received a reply, I must write again this day (29th).

4. On Friday I met Dr. Pedroza and Mr. Thorburn at the Cumbum Fort, to consult about filling up the old trenches. The hospital is situated within this fort, and no doubt it would be a good thing to level the whole ground, to stop in some measure the commission of nuisances. I ascertained that several portions of high ground, mounds, old walls, and bastions, might be removed and utilized for the filling; but not being quite sure whether there would be sufficient materials for this purpose, I instructed Mr. extra Overseer Peters to make the necessary measurements.

5. I have estimated for the flood banks on each side of the river leading from the new channel head works as far as the Pedda Cumbum channel; the sections of the river below this point are now being plotted by the Surveyor. On Saturday I went over the whole scheme for the Pedda Cumbum channel with the Surveyor, to test its accuracy and to fix upon the sites of the waste weirs. The Surveyor leaves in two days, and I shall have to finish all the sections, plans for the town conduits and Pedda Cumbum channel myself. The field work will have been finished, leaving me only the office work.

6. The Overseer has been continually suffering with fever, and has done scarcely any thing. In anticipation of sanction by the District Engineer, I allowed him to avail himself on Saturday of the leave applied for by him.

7. The Surveyor has been plotting in the new sections of the Pedda Cumbum channels, and has completed two miles.

8. On 25th January 1877 I received an order from the Collector of Kurnool appointing me the Assistant Engineer for the whole of No. 3 Section, that is, an order virtually taking me off from my special duties and putting me on Famine Relief Works. My letter of protest to the District Engineer is enclosed* for information.

* No. 96, of 26th January 1877.

+ „ 229-A, of 26th „ „

On Saturday Mr. Farmer wrote† asking me for the number of tools I should require for the irrigation works I might recommend. I wrote‡ and gave him the information with respect to the tools,

‡ No. 77, of 27th January 1877.

basing my calculations on the total number of adult males he estimated would be employed by the end of March; but at the

same time pointed out that I was too busily engaged just now on my special duties, to find time to travel about the section to make myself acquainted with its wants; that Mr. Hicken, the Range Officer, must be well acquainted now with his range, and would, I had no doubt, be only too glad to give all assistance in his power.

9. I am fully employed now in office work from early morning till dark, with a short interval for breakfast; and, if I were to travel about just now, the early submission of the estimates would suffer considerably. I have been suffering all the week from fever, which even large doses of quinine have not stopped, and I am particularly anxious to complete all the estimates at least before my health entirely gives way. With all the estimates and plans completed, the Range Officer, with the Special Overseers under his orders, would be quite capable of carrying out the construction.

10. The remainder of the staff have been well.

No. 250. ORDER THEREON, 7th February 1877, No. 445.

IRRIGATION, No. 26.

RECORDED. It is observed Mr. Johnston's services were, in G.O., No. 48, dated 3rd February 1877, placed at the disposal of the Collector of Kurnool for Famine Relief operations, and in this time of pressure he must endeavour at intervals of his Cumbum work advise as to Irrigation works which can advantageously be carried out as Famine Relief works.

(True Extract.)

Lieut.-Colonel, R.E.,
Secretary to Government.

To the District Engineer, Kurnool.
„ Chief Engineer for Irrigation.
„ Revenue Department.

Exd. A. Grubert.
Spare Copies

No. 77 Assistant Engineer's Office
Camp Caudapoor 27th Aug 77
Sir,
H. R. James Esquire
Ag. H. Assistant Collector
Cumbum
In reply to your No. $\frac{A}{229}$ dated 26th inst.
I have the honor to report as follows.
2. On the supposition that by March
there will be 80,000 adult males employed
on Famine Works, I make the following
Calculations.
80,000 adult males by March 1877
10,000 deduct for hammers & cutting brushwood
70,000 Balance
One man with a mamoty will put into the
what 3 Pickaxes you will dig, therefore you
will require for the 70,000 adult males 16,000
mamoties and 49,500 Pickaxes.
3. The number of Crowbars, Bill hooks & chains
intended for, are I think sufficient.

4. As to my recommending any irrigation works I have the honor to state that I know nothing of the wants of the Union, and really have no time to spare to make myself acquainted with those wants. I have my own special work to attend to here in Cumbria, and I am too busy here to attend to any other duties foreign to my special ones, and in fact I have been ordered by Govt not to do any other work till the Divisional Offices under Cumbria San'ts have been reformed.

5. Under these circumstances I regret to be unable to assist you on Famine Relief Works. Mr. Vicken however must know the Range by this time and so doubt he will be only too glad to assist you to the utmost of his ability.

I have the honor &c.

(Signed) J. C. Johnston

Assistant Engineer
on Special duty

John C. Johnston
Assistant Engineer

(True copy)

No. 229

Mumukshu & Co. Collectors Office
Cumbria 26 Jan'y 1877

From;

The Dy. Asst. Collector
Mumukshu

To;

The Assistant Engineer
on Special duty Cumbria

I have the honor to inform you that the marginally noted tools have been indent for; and that the Deputy collector asks me to indent for 10 thousands hammer parts enlarged in the margin

Hammer 10,000
Pecan 5,000
crowbar 3,000
Saw 2,000
12 all tools 2,000

Stone breaking
Hammer 4th 5,000
S 6th 3,000
Dr. Sledge 500
Hammer 5th 1,000
10,000

Hammer 7,500
crowbar 1,000
Pickaxe 3,500
Wedge 300
12,300

2. We have about 170 miles of village road sanctioned in the Division as Famine Relief Works; and we are going to ask sanction for undertaking such irrigation works as you may recommend.

3. I have therefore the honor to request that you will state what tools you think necessary.

4. There are, I believe, about 80 thousands people on the Relief works now.

about 35 or 40 thousand may be able
to use tools. By March, the number
of adult males on the Relief works
may probably be double what it is
now.

I have the honor to be
Sir
Yours most obedt servant
(Signed E. R. Farmer)
Ag. Dist. Collector

(True copy)

John C. Houston
Assistant District Engineer

P.W.D.

3 FEB 1877

1151

No 96

To:

The District Engineer
Muzool

Assistant Engineer
Cauldipore. 26: January 1877

Sir;

I have the honor to acknowledge
Receipt of instructions issued by the
Collector of Muzool forwarded
with your letter dated 22nd January 1877

2. Mr Davidson, in these instructions,
has appointed me the Assistant Engineer
for No 3 Section and to act under the
orders of Mr Farmer

3. At Government in their Proceedings
No 30 dated 5th Jan'y 1877 have very clearly
said that I had no travelling, and that
I was only required to attend to works in
Cumbum; I do not quite understand
that the collector means

4. If the collector intends that my duties
are to be confined only to Cumbum, I have
nothing to object to, for I was appointed
for that special duty by Govt; but if
he

he wishes me to be travelling about
the section, I must most respectfully
protest.

5. ^{Further} I beg to call attention
to para 1 of Col Mullins Duruok's R.R.
dated 14th June 1876 in which it is
stated that I am 'to have no other
duties until the District has been
under the cumulum I am to have
been reformed' I am now working
at the Estimates for the water
supply and for the reformation
of the channels from morning
till dark and there is still plenty
of work to be done, and if I am
to neglect this for famine Relief
works, I cannot hold myself
responsible for the speedy submission
of the remaining Estimates.

I have the honor to be
(Signed) J. C. Johnston
Assistant Engineer
(True copy)
John Johnston
Assistant Engineer

P.W.D.
3 FEB 77
NO 1151

249. 50

* who is now
in Kumkum

Report of Mr J. C. Johnston, Assistant
Engineer, on Special duty for the work
ended 27th January 1877

I have completed the plans and Estimates
for the Guadacamma River Scouring Scheme,
the reports and specifications have to be
carefully reconsidered, when all the papers
will be ready to be submitted.

2. I have settled the dimensions, falls and
bed levels of the two Town fresh-water channels
up to the South end of the Town, beyond this,
a few more levels as far as the River are
necessary, and these will be run today (29th)
by Mr Peters the Extra Overseer. The Surveyor
also is running a short line east of the Town
to complete the Scheme.

3. On Friday I wrote to Mr. Harmer
asking him whether it would be convenient
to him to meet me on Monday the 29th to fix
upon the sites of the proposed cisterns connec-
ted with the conduits. As I have not yet

received a reply, I must write again this day 29th.

4. On Friday, I met Mr. Peddaga and Mr. Thorburn at the Cumbum Head, to consult about filling up the old tracks. The hospital is situated within this fort, and no doubt it would be a good thing to level the whole ground to stop in some measure the commission of nuisances. I ascertained that several portions of high ground, mounds, old walls and bastions might be removed and utilized for the filling, but not being quite sure whether there would be sufficient materials for this purpose, I instructed Mr. Extra oversee Peter to make the necessary measurements.

5. I have estimated for the flood banks on each side of the River leading from the New Channel Head Works as far as the Pedda Cumbum Channel; the sections of the River below this point are now being plotted by the surveyors. On

Saturday I went over the whole section for the Pedda Cumbum Channel with the surveyors, to test its accuracy and to fix upon the sites of the waste weirs. The survey leaves in 2 days, and I shall have to finish all the sections, plans for the Town conduct and Pedda Cumbum Channel myself. The field work will have been finished, leaving me only the office work.

6. The Overseer has been continually suffering with fever and has done scarcely any thing. In anticipation of his leaving by the District Engineer, I allowed him to avail himself on Saturday of the leave applied for by him.

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Mr. Harner wrote asking me for the *x 229 726 21*
number of tools I should require for the
irrigation works I might recommend.
I wrote and gave him the information *x 229 727 21*
with respect to the tools. Leaving my
calculations on the total number of
adult males he estimated would be
employed by the end of March; but
at the same time pointed out, that
I was too busily engaged just now on
my special duties, to find time to
travel about the Section to make myself
acquainted with its wants; that
Mr. Dicken the Range officer must be
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and would I had no doubt, be only
too glad to give all assistance in his
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I were to travel about just now, the
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I am particularly anxious to complete
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health entirely gives way. With all the
estimates and plans completed, the Range
offices, with the Special Overseer under his
orders would be quite capable of carrying
out the construction.

10. The remainder of the staff have
been well.

John C. Hutchinson
Assistant Engineer
on Special duty
Cumbum

Ch. Reg. No 184-927-1-77
Ch. Reg. No 371-29-1-77

P.W.D.
No 1151

From
The Special Officer
Cannaburn

Dated 27th January 1877

Enclosure.

Report on the drainage
works for week ending 27th January
1877.

1849
in 6.2-77

No 4

No 445

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 7 Feb/77
Read the following:—

From the Special Officer
Cannaburn. 3 P.S. dated 27 Jan/77

Recorded. It is
observed Mr. Johnston's
services were in force 4th
dated 3rd Feb. 1877 placed
at the disposal of the
Collector of Kurnool for
Famine Relief operations.

W.H.
5.2.77

S.S. Kurnool - ✓
Ch. for Inq. ✓
Revenue Dept. ✓

Drop - 10.2.77

X^o Attch

1877 Madras
PUBLIC WORKS.

To *Mr. B. Kurnat*

Dated

Issued

Recd.

G. O. *Feb 11* 1877 No. *445*

Nos. 249-50

Cumbum drainage works
The Special Officers
Report on the — for
the week ending 24th
January 1877, recorded
with remarks.

For Mr. Kurnat