

Revenue (1897) Department.

PRESS SERIES.

G.O., No. 486.

DATED 24th June 1897.

[Despatch Abstract.]

Recording with them with the joint report
of the Chief Engineer & Secy. of the P.W.D. &
the 3rd Member, P.W.D. on famine relief
estimates, famine doles &c, in the Comptroller's
Office.

BACK PAPERS.

[illegible]

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
Cus.	347	9	5-2-22				
			2-2-22				
			5-2-22				
			11-2-22				
Cus.	81	13	12-1-22				
			10-1-22				

Revenue
Political (1897) Department.

CURRENT No. 4782

The Hon: Mr. Justice C.R.
The Hon: Mr. Justice C.R.
The Hon: Mr. Justice C.R.

For Orders

Dr. W. Z. Howell

From The Hon. Col. Campbell,
Secy., P. M. S.
H. M. Winterbottom Esq.
Board of Rev.
No.

Col Campbelle and Mr Winterbatham submit a report of their inspection in Gumbhore

2. Possibility of famine .
the harvests have been ^{good} and the rainfall ~~not~~ ^{is} ~~not~~ ^{is} above normal. There is ~~not~~ likelihood of any famine even if the S.W. monsoon should be

of relief will be necessary unless the N. E. monsoon should also fail. The export of grain is, however, brisk and prices are at ^{or} above the ruling rates.

3. Programme of relief works
The programme includes works roughly estimated to cost 41.32

Dated 5th June 1897
Received 8.6.97
Registered 9.6.97
Enclosures
Spare copies

SUBJECT.

Reporting on famine
relief estimates, famine
tools &c. in the Cochin
St.

C146197

latched and intended to afford employment to 27 p.c of the population of the district for 3 months. Sanctioned estimates are ready only for road works and repairs of roads estimated to cost 6.49 lakhs. These are all. L. & F. works specially estimated for in view to famine. The collector also states that ~~there~~ there are ~~also~~ in the hands of Talukdars ~~unfused~~ ^{to the} ~~estimates~~ ^{aggregating} ~~the~~ amount of 8 lakhs prepared in previous years also in view to famine; these are for petty works such as fructifying fear clearance, the improvement of village dikes, roads and water-supply, and could be sanctioned by the collector without any delay when occasion arises. The defect for the employment of labour on minor irrigation works is exceedingly small. The programme includes a number of irrigation works under the P.W.D. but none of these are sanctioned works ~~and~~ ^{perhaps} ~~are~~ ^{are} all ~~one~~ ^{one} are indispensable for famine relief. The sanctioned estimates are inadequate; but the clearance of fructifying fear which affords a

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

~~This should be brought in
into, but I don't think
it is necessary now.~~

The Commission recommended that Rs 24 lakhs should be sanctioned at once. This is necessary if the requirements of the Code are to be satisfied & I think they should be sanctioned.

W J
S.H.

(*) The Sanjivani project (Rs 2000) not yet investigated; may also be found unsuitable.

wide field for famine labour in this district is a kind of work ~~for~~ ^{for} which estimates can be prepared very quickly to any amount; the same remark applies to the clearing of roads made for future use. Col. Campbell and Mr. Winderbatten do not therefore apprehend any imminent difficulty from want of sanctioned estimates. They suggest, however, that if the Govt considers it necessary the Subdy Engineer may be directed to prepare estimates for fructifying fear clearance from channels & for the strengthening of the bunds of irrigation works (estimated cost of preparation Rs 1400). They can think only of ~~three~~ ^{three} large works on which relief workers could be massed: — viz., the Bhawan Reservoir project (4.4 lakhs), ⁽²⁾ ~~and~~ the extension of the Halangul-roypur channel (6.4 lakhs). ⁽³⁾ ~~The railway from Palghat to Dindigul~~ ^{has not yet been sanctioned} ~~the four~~ but there is little doubt that it will eventually ~~be~~ ^{be} and the site for the dam is now being examined; if the Govt approves this could be broken up for the dam and the

ensurance of the leading channel
 put in hand in the event of re-
 lief measures becoming necessary.
 The second was sanctioned five
 years ^{ago} but ^{was} not ~~yet~~ begun for want
 of funds; the Govt of India
 has declined to renew the sanction
 until it is decided whether the
 area (15000 acres) to be irrigated
 by the ~~sanction~~ extension could not
 be irrigated direct from the
 Bhawanee Reservoir; it is also
 doubtful whether the extension
 will not materially diminish the
 supply of water to Trichinopoly
 & Tanjore. The survey of the
 Railway line has been completed;
 the Railway authorities may be
 consulted as to ^{the} possibility of shortening
 the preparation of ballast.

6. Tools. The tools required
 are ^{generally} up to the sanctioned number,
 but this number is inadequate
 (especially in regard to hammers)
 for feasible requirements. The
 stock ^{required} should be at least 70000
 as noted on the margin. The supply
 P.W. workshops has been communicated
 with on the subject, and if he is unable
 to supply the requisite number an
 attempt will be made to get a

The Commission ^{on} ~~can~~ ^{has} ~~been~~ ^{asked} ~~about~~ ^{the}
 C.C. for I and he asked about the
 expediency of starting ^{the} ~~the~~ ^{work}
 out of ^{the} ~~the~~ ^{work} ~~the~~ ^{work}
 cost of ^{the} ~~the~~ ^{work} ~~the~~ ^{work}

I don't think this line is likely to be
 taken up from ^{the} ~~the~~ ^{work} ~~the~~ ^{work}
 branch ^{the} ~~the~~ ^{work} ~~the~~ ^{work}

Let the ^{the} ~~the~~ ^{work} ~~the~~ ^{work}
 be ^{the} ~~the~~ ^{work} ~~the~~ ^{work}

Stone hammers	40000
Hammer	9000
Pick axes	5000
Reamers	1000
Chisels	9000
Sledge hammers	500
Hand axes	500
Pick hammers	500
Tools for churning	4500

Ask the Comr to
 report with spec to
 para 14

25
 12/6/97
 H.W. A.H.
 15.6.97

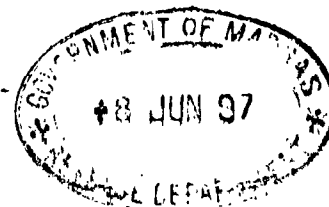
This report justifies the
 depreciation of the Com-
 mission. Corbin's one is
 not prepared to meet a
 2 issue.

25
 12/6/97
 H.W. A.H.
 15.6.97

supply from private firms
 in the event of distress unless if
 an urgent request must be re-
 so the Secretary of State if the
 supply cannot be obtained locally
 the tools in store are in
 a semi-curable condition but many
 must be handled. The collector ~~must~~
~~be asked to~~ should ascertain
 whether he can, on short notice,
 obtain ~~a~~ a sufficient number of ^{working} ~~working~~
 handles from the Forest Dept or
 from the local contractors; a
 supply of baskets for carrying
 gravel & metal is also needed

H.W.

Letter B.



Revenue Dept.

Current No. 178

From The Hon. Col. D.M. Campbell, R.E.,

Secretary to Govt. R.D.

and

H. M. Wintle & Co. Esq.,

Third Member, Board of Rev.

To

The Secretary to Government,
Rev. Spt.

Dated June 5th 1897, Camp. Salem.

Recd. 8.6.97

Regd. 9.6.97

Subject

Reporting on Famine Relief Estimates
Famine Tools &c in Coimbatore District
with reference to G.O. No. 382 dated
25 May 1897.

B.

Camp Salem,
June 5th 1897

From

The Hon. Col. D. M. Campbell, R.E.
Secretary to Govt. P.W.D.

and

H. M. Winterbotham Esquire,
Third Member, Board of
Revenue

To

The Secretary to Government
Revenue Department

Sir,

With reference to G.O. Revenue
No. 382 dated May 25th 1897, and
in continuation of our letter A dated
June 4th 1897, we have the honor to
submit the following report regarding
the Coimbatore District.

1. General Condition of the District.

The Collector Mr. Bradley from

whom

All in this is shown that we would

whom our information has, of necessity, been chiefly derived, has been in the District three years, and has the advantage of knowing it well. At present there are no signs of distress anywhere. On the contrary prospects are decidedly encouraging. Last year's harvests were good. Early showers have been general and above the average almost everywhere.

Rainfall. The following statement shows the rainfall from April 1st up to May 31st a.o. compared with the average:-

Stations	Rainfall from April 1 st to May 31 st	Average		Remarks.
	Inches	Inches	Inches	
Kollugal	5.79	5.92	-0.13	
Gopichitpalayam	8.39	—		not available
Satyamangalam	6.49	3.53	+2.96	✓
Bhavani	8.00	3.56	+4.44	✓
Erode	7.83	3.84	+3.99	✓
Perumdurai	5.95	3.83	+2.12	✓
Karni	4.84	3.70	+1.14	✓
Aravakurichi	5.39	3.58	+1.81	✓
Sharapuram	5.96	2.76	+3.20	✓
Kangayam	4.33	4.57	-0.24	✓
Pakkadam	4.77	2.96	+1.81	✓
Aravachi	6.10	4.46	+1.64	✓
Coimbatore	3.07	2.60	+0.47	✓
Mettupalayam	4.94	3.81	+1.13	✓
Poliachi	4.29	3.59	+0.70	✓
Udamalpet	6.59	2.70	+3.89	✓

The wells are full almost everywhere, and there are unusually large and good garden crops on the ground throughout the District. Good stocks of straw are visible, and pasturage, though scanty, is above the average at this time.

All in all, it is obvious that the Board

This season. It is probable that more cotton will be picked in almost all taluks as the result of recent favorable showers.

2. Prices. Prices for the week ending May 29th were as follows:-

Names of grains	Prices in slls. of 80 tolas per masha				
	This week	Last week	Normal rate	Scarcity rates	Warning rates
Rice	10.43	10.66	13.10	7.80	10.40
Ragi	19.97	19.87	27.80	14.00	21.00
Cholam	16.20	16.10	22.50	12.00	18.00
Cumbu	18.61	18.61	25.30	13.00	19.50

It will be seen that the prices of all grains is well below scarcity rates. Rice is just at the warning rate. Ragi and Cumbu exceed the warning rate by only one seer per masha, and cholam by less than two seers.

3. Exports of grain. There is, as might be expected, a brisk

export

1/20

export of grain by rail. Since the middle of February 5.22 lakhs of mounds have been exported as against 1.62 lakhs imported.

4. There seems however no present reason to apprehend that famine elsewhere will drive up prices in Coimbatore to scarcity rates. Even if the South-west monsoon should entirely fail, we believe, on the best information we have been able to get, that there is no probability of any famine-relief works being required in Coimbatore unless, and until, the South-East monsoon likewise declares itself unpropitious, say in November next.

5. Programme of Famine Relief - Turning now to the Programme of

all in his opinion that the Board

of Famine Relief works, we find that it includes work roughly estimated to cost 41.32 lakhs, intended to furnish employment for three months for nearly 27 per cent of the population of the District (2,000,000 in round numbers according to the Census of 1871).

b. Sanctioned Estimates. The Collector has placed before us estimates prepared by the Local Fund Engineer and sanctioned by the District Board, to the amount of Rs. 5,74,885 for the repair of roads. These estimates are already prepared, with a view to famine, in a more liberal scale than the circumstances of the Local Boards would warrant, but, in should famine supervene, there

See original
has a further
estimate
20%

is room for collecting and stacking metal and gravel in much larger quantities than the estimates provide for. Estimates to the amount of Rs. 74,204 prepared by the Local Fund Engineer and approved by the Collector, are also ready for the repair of certain existing roads, which are not maintained by the Local Boards, and on which no expenditure would be incurred in ordinary years.

7. The above were the only estimates produced before us, but the Collector informs us that there are, in the hands of the Talisildars estimates to the aggregate amount of about eight lakhs, prepared in previous years for the purpose of the Famine Programme, but which

All in all, it is a strong case.

which have not received formal
sanction. The notice given to the
Collector of our visit was too short
to enable him to obtain these
estimates from the Tahsildars, and
we could not wait for their
arrival. These estimates are all,
or nearly all, of the class referred
to in paragraph 9(3) of the Famine
Code viz for simple works usually
carried out by the Revenue
Department, and only requiring
rough estimates. They would
include, chiefly, the clearance
of prickly pear from village
sites, and from the banks of
tanks and channels: the im-
provement of village sites and
village water-supply: the
improvement of village roads,
not ordinarily maintained by
the

rough estimates for
famine work

H.S.

the Local Boards.

We are not clear, and have
not the means at hand of
satisfying ourselves as to what
is the proper authority for sanction-
ing estimates of this class, which
are individually petty but may
aggregate in the total a vast sum.

In ordinary years the Taluk
Boards would be the proper authority
for dealing with estimates relating
to the improvement of village sites.
Where however the estimates are
prepared for the purpose of afford-
ing employment to relief-workers,
and the cost is to be debited to
Famine, we apprehend that the
sanction of the Collector should be
sufficient.

All in all it is obvious that the Board

Sanctioning such estimates in detail,
and we suppose that if and when
the time comes to start the works
it will suffice if the Collector sub-
mits a list of the works through
the Board to Government with
his application for an allotment
of funds.

8. It must be admitted that
the number and amount of sanctioned
estimates available for immediate
use is very inadequate. Supposing
any large measures of relief to
be called for. The clearance of
brickly peas from village sites,
and the banks of channels and
tanks, offers a wide field for the
employment of famine coolies
in this District, and is the

estimate for such work
the improvement of village roads,
not ordinarily maintained by

the

H.W.

be prepared with rapidity. The
number of minor irrigation
works, and the field for employ-
ment of famine labour upon
them, is remarkably small.

In case of necessity probably
the best form of relief work, at
the opening of relief operations,
will be the preparation of more
road material on the sides of the
roads, as a supply for future years.
This also is a class of work for
which estimates can be quickly
prepared, from the standing
information in the possession
of the Local Fund Engineer as
to the situation of the quarries
on each road, and his knowledge
of the general condition of each

All in communication

... such estimates in detail,
along and intimate acquaintance
with the District for the preparation
of estimates of this nature.

We do not therefore apprehend
that any difficulty from want
of sanctioned estimates is imminent. // ✓

9. In the Famine Programme
a sum of Rs. 27,80,30 is entered for
Irrigation Works under the D.P.W.;
none of the estimates for these
works have been sanctioned and
few of them have even been
prepared. The Superintending
Engineer has given satisfactory
reasons why none of these works
(except possibly the restoration
of the Sanjivawoyan tank) are
suitable for famine relief, so
that they need not be considered

38 not ordinarily maintained by
the

M.D.

Superintending Engineer explained
that the estimates were not got
ready as the works were considered
unsuitable for famine relief; and
because under section 5 of the
Famine Code only such works as
would be executed in ordinary
times should be estimated for;
and as the works entered in the
Programme and included in the
sum of Rs. 27,80,30 are not such
as would be undertaken in
ordinary years, it is evident
that ~~the works~~ ^{they} should
not have found a place in the
Programme.

The Sanjivawoyan Project, the
approximate estimate for which
is Rs. 20,000, will take three

All in

then be found to be an undesirable work to undertake.

10. We have kept in view the advisability of making relief works on a few large works as proposed in G.O. Revenue No. 314, dated 11th May 1897, and with this object the Programme was carefully examined. The only two large works which would be suitable for famine relief are the Bhavani Reservoir Project, approximate estimate Rs. 44,00,000, and the extension of the Calingaoym Channel, estimate Rs. 6,40,000.

The former of these works has not yet been sanctioned but the site for the dam is now being examined and could be decided on in a few weeks. There is little doubt but that this Project

is not ordinarily maintained by the

29-5

H.S.

before funds are available; if Government approve, stone could be broken up for the dam and the excavation of the leading channel put in hand. These works would give suitable employment for a large number of persons. As regards the Calingaoym Channel Extension Project, this was sanctioned five years ago, but was not begun for want of funds, and, under the rules, renewed sanction had to be applied for; but the Government of India refused to renew the sanction until it had been finally decided whether an area equal to that which it was proposed to irrigate could not be more economically irrigated direct from the proposed Bhavani Reservoir. A further question for a period of six months will all in the meantime.

irrigated area in Trichinopoly and Tanjore, water is available for the additional 15,000 acres which would be brought under irrigation. Otherwise this work would make a most excellent relief work, and we recommend that the Chief Engineer for Irrigation be requested to give his opinion as to the desirability of starting it, and also the Bhavani Reservoir Project, in the event of its becoming necessary to find employment for relief-workers in large numbers.

11. We have already stated our belief that this necessity will only arise in the event of a failure of the ^{seasoning} North-East monsoon: but to avoid all risk of difficulties owing to want of

water, it is suggested that not ordinarily maintained by the

W.D.

be at once ordered to take steps to prepare estimates for clearing prickly pears in channels, and for raising and strengthening tank banks. He has informed us that if an establishment of 8 Surveyors and 24 lascars is placed at his disposal for a period of two months, he will be able to prepare a large number of estimates in that time. This establishment is necessary owing to so many of the subordinates in the District having been withdrawn for famine work in the 1st and 3rd circles. We therefore think it advisable that sanction should at once be given for the employment of

8 Surveyors at Rs. 70 -	Rs. 560
24 lascars at Rs 6 -	144
	Total 704

for a period of two months.

The employment of labour on a large number of scattered works, which will involve an immense amount of supervision; is but in the absence of large works (unless Bhavani and Calinga-royan projects are put in hand) there seems to be no alternative.

12. In the Famine Code Section 10(a) it is laid down that railway projects should not, except for a grave reason, be included in a programme of relief works, but we think it a matter for consideration whether it would not be well to consult the railway authorities as to the possibility of starting the preparation of a ballast for the railway from Palghat to Dindigul, the survey of which has been completed.

This work, in case of need, would not ordinarily maintain by

the
H.D.
April

Numbers.

13. Tools. The following is a statement of the famine tools in stock:-

Division	Axes felling	Bill hooks	Crow bars	Hammer stone breaking	Ma- moots	Pick axes	Ram- mers	Remarks
Coimbatore	95	"	852	6835	5695	4085	859	
Palghat-Dindigul	500	500	9000	4000 sledge 500	9000	5000	1000	Quickly perished cleaning 2000

The tools in the Coimbatore stores were counted by the Superintendent Engineer on the 3rd Instant and examined by me on the same day. The number of each description is slightly in excess of that ordered to be kept in stock in Government Order No. 3116 W, dated September 2, 1893, with the exception of stone breaking hammers, of which there is a slight deficiency owing to some having been lately transferred to the famine works in other circles.

All the tools are serviceable but a few are defective to a certain extent.

14. Provision of handles. The tools in store are not provided with

number of each description as laid down in the Government Order referred to above is altogether inadequate to meet the demand in the event of a famine.

The population of the District was, in round numbers, two millions in 1891. Taking 20 per cent as the maximum number for whom relief works may be necessary, (Famine Code, Sec. 8) and allowing one tool for every three persons, a stock of 134,000 tools is required for Coimbatore alone.

We consider that the District stock

Stone hammers	40,000	should certainly be brought up to the figure shown in the margin, which total up to rather more than half not ordinarily manufacturing
Hammer	9,000	
Pick axes	5,000	
Hammer	1,000	
Crow bars	9,000	
Sledge hammers	500	
Hand axes	500	
Wire hooks	500	The
Not ordinarily manufacturing	500	

approx.

that the provision of more tools is urgent.

The Establishment in the Public Works Workshops is engaged day and night in turning out hammers. We have asked the Superintendent to report the maximum number which he can thus manufacture daily.

If it appears that he will not be able to meet requirements in the event of distress extending to other districts in July, we will ascertain what supply of tools is locally obtainable from local firms at Madras and elsewhere, and Government will then be in a position to judge as to the necessity of transmitting an urgent message to the Secretary of State.

14. Provision of handles. The tools in store are not provided with

our way to recommending that
a stock of wooden handles should
be maintained. They would be
subject to attacks of white-ants
and wood-borers of sorts, and
would soon become useless. We
think however that the Collector
should at once ascertain
from his Forest Officer, or local
contractors, how far he is in
a position, on short notice,
to obtain a sufficient
number of roughly shaped
handles for hammers, mat-
toes and pick axes. He
should also ascertain whence,
and within what time, a
sufficient supply of baskets
for carrying gravel and
the

approx

H.W.

metal, can be got.

15. We regard it as at present
premature to make any definite
proposals as to the large increase
of establishments which would
be requisite in the event of
distress becoming more
wide-spread.

We have the honor to remain

Sir,

Your most obedient servants

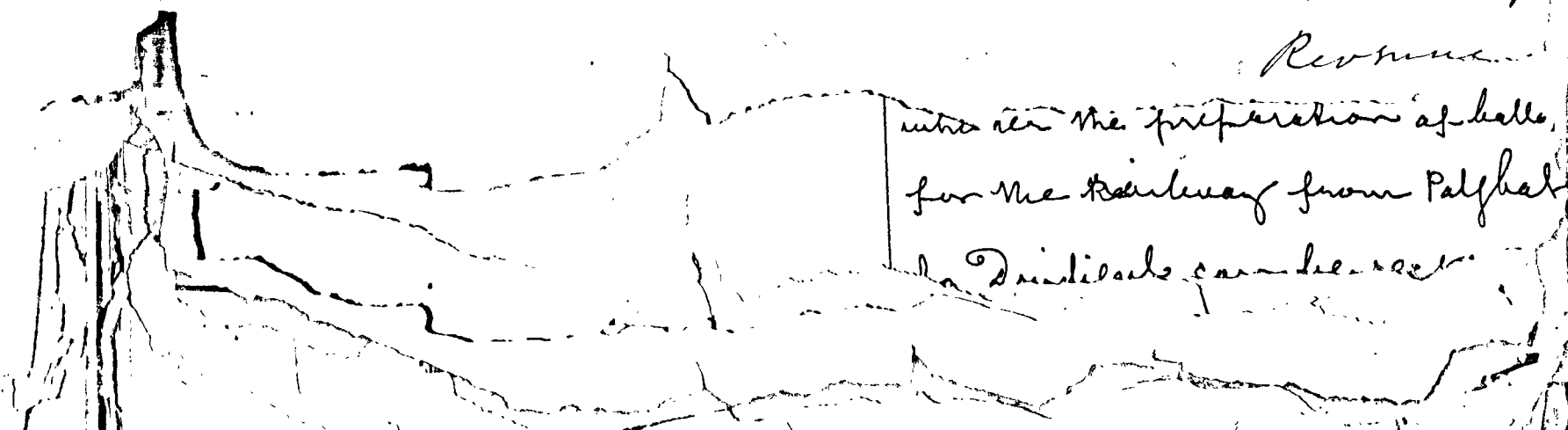
J. H. P. Causwell C. M.

Secretary to Govt, P. W. D.

H. M. Vinterthaus

Third Member, Board of
Revenue

under the preparation of bills
for the Railway from Palghat
to Dindigul can be seen



and 24 lasears for a falsified
of two months recommended
in para 11 is sanctioned.

~~with reference to the rec-~~
mendation in para 13 the
Govt awaits the report called
for from the Board of Rev
in G.O. 3655
25-5-97. The Collector
of Coimbatore is requested to
submit a very early report
with reference to para 14.

List from
The Finance Commr

P.W.D.
P.W.D. (2)
P.W.D. (3)

Collector Coimbatore
F.D.

The Hon: the C.B. & the Secy P.W.D.
for Coimbatore initials

120
10

rs
16-6-97

Government { 1897 } of Madras.
REVENUE.

Recd.

Regd.

1897.

Enclosures

Spare copies

G.O., No. 486, 24th June 1897.

JUNE.

Recording with remarks, the joint report of the Chief Engineer and Secretary to Government, Public Works Department, and the Third Member of the Board of Revenue on Famine Relief Estimates, Famine Tools, &c., in the Coimbatore District.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following letter from the Hon'ble Colonel D. M. CAMPBELL, R.E., Chief Engineer and Secretary to Government, Public Works Department, and H. M. WINTERBOTHAM, Esq., Third Member, Board of Revenue, to the Secretary to Government, Revenue Department, Madras, dated Camp Salem, 5th June 1897, No. B.

With reference to G. O. Revenue, No. 382, dated May 25th, 1897, and in continuation of our letter A, dated June 4th, 1897, we have the honor to submit the following report regarding the Coimbatore District:—

1. *General condition of the District.*—The Collector, Mr. Bradley, from whom our information has, of necessity, been chiefly derived, has been in the District three years, and has the advantage of knowing it well. At present there are no signs of distress anywhere. On the contrary prospects are decidedly encouraging. Last year's harvests were good. Early showers have been general and above the average almost everywhere.

Rainfall.—The following statement shows the rainfall from April 1st up to May 31st, as compared with the average:—

Stations.	Rainfall from April 1st to May 31st.		Average.	REMARKS.
	Inches.	Inches.		
Kollegal ...	5.79	5.92	— 0.13	Not available.
Gopichettipalayam ...	8.39	—	—	
Satyamangalam ...	6.49	3.53	+ 2.96	
Bhuvani ...	8.00	3.56	+ 4.44	
Erode ...	7.83	3.84	+ 3.99	
Perundurai ...	5.95	3.83	+ 2.12	
Karur ...	4.94	3.79	+ 1.15	
Aravakurichi ...	5.39	3.53	+ 1.86	
Dharapuram ...	5.96	2.76	+ 3.20	
Kangayam ...	4.33	4.57	— 0.24	
Palladam ...	4.77	2.96	+ 1.81	
Avanashi ...	6.19	4.45	+ 1.74	
Coimbatore ...	3.07	2.69	+ 0.38	
Mettupalayam ...	4.94	3.81	+ 1.13	
Pollachi ...	4.29	3.59	+ 0.70	
Udamalpet ...	6.59	2.79	+ 3.80	

The wells are full almost everywhere, and there are unusually large and good garden crops on the ground throughout the district.

Good stocks of straw are visible, and pasturage, though scanty, is above the average at this season. It is probable that more cotton will be picked in almost all taluks as the result of recent favorable showers.

2. *Prices.*—Prices for the week ending May 29th were as follows:—

Names of Grains.	Prices in seers of 80 tolas per rupee.				
	This week.	Last week.	Normal for the Month.	Scarcity rates.	Warning rates.
Rice ...	10.43	10.66	13.10	7.80	10.40
Ragi ...	19.97	19.87	27.80	14.00	21.00
Cholam ...	16.20	16.10	22.50	12.00	18.00
Cumbu ...	18.61	18.61	25.30	13.00	19.50

It will be seen that the price of all grains is well below scarcity rates. Rice is just at the warning rate. Ragi and Cumbu exceed the warning rate by only one seer per rupee, and cholam by less than two seers.

3. *Exports of grain.*—There is, as might be expected, a brisk export of grain by rail. Since the middle of February, 5.22 lakhs of maunds have been exported as against 1.62 lakhs imported.

4. There seems, however, no present reason to apprehend that famine elsewhere will drive up prices in Coimbatore to scarcity rates. Even if the South-West Monsoon should entirely fail, we believe, on the best information we have been able to get, that there is no probability of any famine-relief works being required in Coimbatore unless, and until, the North-East Monsoon likewise declares itself unpropitious, say in November next.

5. *Programme of Famine-Relief Works.*—Turning now to the Programme of famine relief works, we find that it includes works roughly estimated to cost 41.32 lakhs, intended to furnish employment for three months for nearly 27 per cent. of the population of the district (2,000,000 in round numbers according to the Census of 1891).

6. *Sanctioned Estimates.*—The Collector has placed before us estimates prepared by the Local Fund Engineer and sanctioned by the District Board, to the amount of Rs. 5,74,885 for the repair of roads. These estimates are already prepared, with a view to famine, on a more liberal scale than the circumstances of the Local Boards would warrant, but, should famine supervene, there is room for collecting and stacking metal and gravel in much larger quantities than the estimates provide for. Estimates to the amount of Rs. 74,204 prepared by the Local Fund Engineer and approved by the Collector, are also ready for the repair of certain existing roads, which are not maintained by the Local Boards, and on which no expenditure would be incurred in ordinary years.

7. The above were the only estimates produced before us, but the Collector informs us that there are, in the hands of the Tahsildars, estimates to the aggregate amount of about eight lakhs, prepared in previous years for the purposes of the Famine Programme, but which have not received formal sanction. The notice given to the Collector of our visit was too short to enable him to obtain these estimates from the Tahsildars, and we could not wait for their arrival. These estimates are all, or nearly all, of the class referred to in paragraph 9(3) of the Famine Code, viz., for simple works usually carried out by the Revenue Department, and only requiring rough estimates. They would include, chiefly, the clearance of prickly pear from village sites, and from the banks of tanks and channels: the improvement of village sites and village water-supply: the improvement of village roads, not ordinarily maintained by the Local Boards.

We are not clear, and have not the means at hand of satisfying ourselves as to what is the proper authority for sanctioning estimates of this class, which are individually petty, but may aggregate in the total a vast sum.

In ordinary years, the Taluk Boards would be the proper authority for dealing with estimates relating to the improvement of village sites. Where, however, the estimates are prepared for the purpose of affording employment to relief workers, and the cost is to be debited to Famine, we apprehend that the sanction of the Collector should be sufficient.

It is obvious that the Board of Revenue cannot undertake to scrutinize such estimates in detail, and we suppose that if and when the time comes to start the works, it will suffice if the Collector submits a list of the works through the Board to Government with his application for an allotment of funds.

8. It must be admitted that the number and amount of sanctioned estimates available for immediate use is very inadequate supposing any large measures of relief to be called for. The clearance of prickly pear from village sites, and the banks of channels and tanks, offers a wide field for the employment of famine coolies in this District, and as the form of estimate for such work is of necessity extremely simple, a large number of estimates can be prepared with rapidity. The number of minor irrigation works, and the field for employment of famine labour upon them, is remarkably small.

In case of necessity probably the best form of relief work, at the opening of relief operations, will be the preparation of more road metal on the sides of the roads, as a supply for future years. This also is a class of work for which estimates can be quickly prepared, from the standing information in the possession of the Local Fund Engineer as to the situation of the quarries on each road, and his knowledge of the general condition of each line of communication. Fortunately, the Local Fund Engineer is well qualified by a long and intimate acquaintance with the District for the preparation of estimates of this nature.

We do not, therefore, apprehend that any difficulty from want of sanctioned estimates is imminent.

9. In the Famine Programme a sum of Rs. 2,78,030 is entered for Irrigation Works under the D. P. W.; none of the estimates for these works have been sanctioned and few of them have even been prepared. The Superintending Engineer has given satisfactory reasons why none of these works (except possibly the restoration of the Sanjeeviroyen tank) are suitable for famine-relief, so that they need not be considered as a means of affording employment for the distressed. The Superintending Engineer explained that the estimates were not got ready as the works were considered unsuitable for famine-relief; and because under section 5 of the Famine Code only such works as would be executed in ordinary times should be estimated for; and as the works entered in the Programme and included in the sum of Rs. 2,78,030 are not such as would be undertaken in ordinary years, it is evident that they should not have found a place in the Programme.

The Sanjeeviroyen Project, the approximate estimate for which is Rs. 20,000, will take three months to investigate, and may then be found to be an undesirable work to undertake.

10. We have kept in view the advisability of massing relief workers on a few large works as proposed in G. O. Revenue, No. 314, dated 11th May 1897, and with this object, the Programme was carefully examined. The only two large works which would be suitable for famine-relief are the Bhavani Reservoir Project,

approximate estimate Rs. 44,00,000, and the extension of the Calingaroyen channel, estimate Rs. 6,40,000. The former of these works has not yet been sanctioned, but the site for the dam is now being examined and could be decided on in a few weeks. There is little doubt, but that this Project will be sanctioned eventually, though it may be some years before funds are available; but if Government approve, stone could be broken up for the dam, and the excavation of the leading channel put in hand. These works would give suitable employment for a large number of persons. As regards the Calingaroyen Channel Extension Project, this was sanctioned five years ago, but was not begun for want of funds, and, under the rules, renewed sanction had to be applied for: but the Government of India refused to renew the sanction until it had been finally decided whether an area equal to that it was proposed to irrigate could not be more economically irrigated direct from the proposed Bhavani Reservoir. A further question occurs to us, viz., whether, with due regard to the wants of the irrigated area in Trichinopoly and Tanjore, water is available for the additional 15,000 acres which would be brought under irrigation. Otherwise this work would make a most excellent relief work, and we recommend that the Chief Engineer for Irrigation be requested to give his opinion as to the desirability of starting it, and also the Bhavani Reservoir Project, in the event of its becoming necessary to find employment for relief workers in large numbers.

11. We have already stated our belief that this necessity will only arise in the event of a failure of the ensuing North-East Monsoon: but to avoid all risk of difficulties owing to want of sanctioned estimates, we suggest that the Superintending Engineer be at once ordered to take steps to prepare estimates for clearing prickly pear in channels, and for raising and strengthening tank banks. He has informed us that if an establishment of 8 surveyors and 24 lascars is placed at his disposal for a period of two months, he will be able to prepare a large number of estimates in that time. This establishment is necessary, owing to so many of the subordinates in the District having been withdrawn for famine work in the 1st and 3rd Circles. We therefore think it advisable that sanction should at once be given for the employment of

8 Surveyors at Rs. 70 = 560
24 Lascars at „ 6 = 144
Total 704

for a period of two months.

This proposal is no doubt open to the objection that it contemplates the employment of labour on a large number of scattered works, which will involve an immense amount of supervision; but in the absence of large works (unless Bhavani and Calingaroyen Projects are put in hand) there seems to be no alternative.

12. In the Famine Code Section 10(a) it is laid down that railway projects should not, except for grave reason, be included in a programme of relief works, but we think it a matter for consideration whether it would not be well to consult the railway authorities as to the possibility of starting the preparation of ballast for the railway from Palghat to Dindigul, the survey of which has been completed. This work, in case of need, would employ relief workers in great numbers.

13. Tools.—The following is a statement of the famine tools in stock:—

Divisions.	Axes, felling.	Bill hooks.	Crow bars.	Hammers, stone breaking.	Mamoo- ties.	Pick axes.	Ram- mers.	REMARKS.
Coimbatore ...	95	...	852	6,835	5,695	4,085	859	

The tools in the Coimbatore stores were counted by the Superintending Engineer on the 3rd instant, and examined by us on the same day. The number of each description is slightly in excess of that ordered to be kept in stock in Government Order No. 3116-W, dated September 2nd, 1893, with the exception of stone breaking hammers, of which there is a deficiency owing to some having been lately transferred to famine works in other circles. All the tools are serviceable, but we would point out that the number of each description as laid down in the Government Order referred to above is altogether inadequate to meet the demand in the event of a famine.

The population of the District was, in round numbers, two millions in 1891. Taking 20 per cent. as the maximum number for whom relief works may be necessary, (Famine Code, Section 8) and allowing one tool for every three persons, a stock of 134,000 tools is required for Coimbatore alone.

Stone hammers	... 40,000
Mamooties	... 9,000
Pick axes	... 5,000
Rammers	... 1,000
Crow bars	... 9,000
Sledge hammers	... 500
Hand axes	... 500
Bill hooks	... 500
Instruments for clearing prickly pear	... 4,500

TOTAL ... 70,000

We consider that the District stock should certainly be brought up to the figures shown in the margin, which total up to rather more than half the above figure. We consider that the provision of more tools is urgent.

The Establishment in the Public Works Workshops is engaged day and night in turning out hammers. We have asked the Superintendent to report the maximum number which he can thus manufacture daily.

If it appears that he will not be able to meet requirements in the event of distress extending to other districts in July, we will ascertain what supply of tools is locally obtainable from local Firms at Madras and elsewhere, and Government will then be in a position to judge as to the necessity of transmitting an urgent indent to the Secretary of State.

14. *Provision of handles.*—The tools in store are not provided with handles, and we do not see our way to recommending that a stock of wooden handles should be maintained. They would be subject to attacks of white-ants and wood-borers of sorts, and would soon become useless. We think, however, that the Collector should at once ascertain from his Forest Officer, or local contractors, how far he is in a position, on short notice, to obtain a sufficient number of roughly shaped handles for hammers, mamooties and pick-axes. He should also ascertain whence, and within what time, a sufficient supply of baskets for carrying gravel and metal, can be got.

15. We regard it as at present premature to make any definite proposals as to the large increase of establishments which would be requisite in the event of distress becoming more wide-spread.

ORDER—No. 486, DATED 24TH JUNE 1897.

The Government concurs in the opinion expressed in para. 7 of the letter read above that estimates for petty works which are usually carried out from Local Funds, but which are to be undertaken as part of the famine programme may be sanctioned by Collectors and that it will suffice if these officers submit a list of such works through the Board of Revenue to Government with their application for allotment of funds.

2. The Chief Engineer for Irrigation will be requested to give his opinion as to the expediency of starting the two projects referred to in para. 10 as relief works in the event of its becoming necessary to afford employment to large numbers. The Consulting Engineer for Railways will be requested to ascertain whether the preparation of ballast for the railway from Palghat to Dindigul can be reckoned on for the relief of distress.

3. The appointment of 8 surveyors and 24 lascars for a period of two months recommended in para. 11, is sanctioned.

4. The Collector of Coimbatore is requested to submit a very early report with reference to para. 14. As regards the recommendation in para. 13, the Government awaits the report called for from the Board of Revenue in G. O. No. 2655, dated 25th May 1897.

(True Extract.)

(Signed) G. STOKES,
Ag. Secretary to Government.

To the Famine Commissioner.

- „ Public Works Department.
- „ Public Works Department (Irrigation).
- „ Public Works Department (Railways).
- „ Collector of Coimbatore.
- „ Financial Department.