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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public works. DEPARTMENT

G.O. No.	3183W.	Press.
B.P. No.		Mis.
Dated	4-12-1882.	197.

S.G.M.

Not to be folded or roughly handled

4TH DECEMBER 1882, No. 3183 W., PUBLIC WORKS.

3183
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 13.

READ—the following papers :—

From Lieutenant-General J. T. WALKER, C.B., R.E., Surveyor-General of India, to the Secretary to Government, Public Works Department, dated Mussooree, 23rd October 1882, No. 611 F.

In reply to your No. 2489 W., dated 25th ultimo, I have the honor to inform you that the Mathematical Instrument Department, which is attached to the Surveyor-General's Offices in Calcutta, is not at present in a position to undertake the repair of the mathematical instruments of the Madras Public Works Department. It has already as much work coming in as it can well get through with the present establishment, and there is no room for expansion in the present buildings which, as it is, are very crowded and inconvenient, and quite inadequate for existing requirements.

2. Proposals are at present under the consideration of the Government of India for the construction of new offices and workshops for the Mathematical Instrument Department. But it is improbable that new buildings will be constructed in less than three years from the present time.

3. Any very special work, requiring the services of a skilled instrument maker, might generally be executed in the department. But I think that for the ordinary current work of the examination and repair of instruments of the better classes, and the construction and repair of instruments of an inferior class—such as are often required in large numbers by the Revenue Surveys and other departments of the public service, and can be constructed more cheaply in this country than purchased in England—it will be found most economical to make arrangements such as are suggested in paragraph 17 of Lieutenant Baddeley's letter, No. 1447 W., dated 7th ultimo.

No. 2044 C.

Referred to the Superintending Engineer, Fifth Circle, for report as to the arrangements now feasible.

(Signed) R. H. SANKEY, Colonel, R.E.,
11th November 1882. Secretary to Government, P.W.D.

No. 13-A.

From Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, Fifth Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 22nd November 1882, No. 2990.

I have the honor to return your endorsement, No. 2044, of the 11th instant, and to report that from paragraph 3 of the Surveyor-General's letter there can, in my opinion, be hardly any change made in the Instrument Department of the Public

Works Workshop. For the ordinary current work of examining and repairing instruments for the various Government departments, the Shop, which has done the work hitherto, will be required to be maintained at about the usual strength.

2. The General Superintendent shows the monthly cost of establishment to be Rs. 820 in his letter enclosed. This amount includes a portion of his own pay, of which one-half is debited to the Workshops, and about three-eighths of that moiety to the Instrument Department. But this item of Rs. 150 will not altogether disappear on the abolition of the office of General Superintendent, for the Instrument Shop cannot well be separated from the Public Works Stores, and a share of the cost of supervision will remain debitable to the Instrument Shop.

3. If then it be decided that the Instrument Shop cannot be dispensed with, there must be some responsible person in charge of it and of the stores. But until tenders are received for the Workshop buildings and plant, it cannot be determined what supervision will have to be retained for a general Workshop on a reduced scale.

ENCLOSURE

From Lieutenant W. L. C. RADDELEY, R.E., General Superintendent, Public Works Workshops, to the Superintending Engineer, Fifth Circle, dated Madras, 14th November 1882, No. 1954 W.

With reference to your No. 2882 * of 13th November 1882, I have the honor to recommend that the Mathematical Instrument Department of the Public Works Workshops should be maintained on its present footing.

* Enclosure returned.

2. The cost of the establishment is approximately as follows:—

	Rs.
The General Superintendent	150
The Foreman	190
The Engraver	30
About 30 workmen on pay varying from 40 rupees to 5 rupees	450
Total per mensem	820

The pay of the General Superintendent, Public Works Workshops, is Rs. 407-8-0, and I have taken 150 rupees of this amount as the monthly debit against the Instrument Department. The Foreman is a Supervisor in the Public Works Department, and will be entitled to promotion in the ordinary course.

3. In addition to examining and repairing instruments for the Public Works Department, the Mathematical Instrument Department should be allowed to execute orders from the Revenue Survey and all other Departments of Government, and work for the public should not be refused in cases where there is no possibility of its being done elsewhere.

4. It is essential that the Instrument Department should be adjacent to the Public Works Stores, as no instrument can be received into or issued from Stores without first passing through the Instrument Shop.

5. From the figures I have given it will be seen that the scale of wages is low; also the prices paid for material are moderate, and the stock of machinery is not excessive; but, owing to the practice of charging 100 per cent. for Workshop profit, the cost of work is made to appear very high, although, on consideration, it will be seen that a large amount of every bill on a Government Office is merely a book transaction, and in the case of private work the high charges prevent interference with private trade.

6. There are very few complaints made of the quality of the work turned out by the Instrument Department, and for the examination and ordinary repairs of the theodolites, levels, &c., used by the Madras Survey and the Public Works Department, and for the manufacture of the badges, seals, scales, weights, measures, &c., used by the Revenue and other Departments of Government, I am convinced that it would be impossible to suggest a better or more economical arrangement than to maintain the Mathematical Instrument Department at about its present strength.

No. 14.

ORDER—dated 4th December 1882, No. 3183 W., Public Works.

It is evident from the correspondence recorded above that the closing of the Mathematical Instrument Shop under existing circumstances would be premature. They will accordingly be maintained for the present for the execution of Government work, the establishment being regulated solely with reference to the amount of such work likely to be required. The execution of private work should not be encouraged.

(True Extract.)

Lieut.-Col, R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fifth Circle.

" General Superintendent, Public Works Workshops.
" Examiner, Public Works Accounts.
" Public Department.
" Revenue "
" Military "

Exd. C. Howarth.
Spare Copies

GENERAL
ACCOUNT.

Govt. of (1882) Madras.
PUBLIC WORKS.

Dated December, 4th.

Recd.

Encl.

G.O., 4th Dec. 1882, No. 3183 W.

DECEMBER.
Nos. 13-14.

Public Works Workshops.

The closing of the Mathematical Instrum
Shop in the — deferred for the present.

In any reply to this communication, its number and date should be quoted.

No. 3183

SURVEYOR GENERAL'S FIELD OFFICE,

FROM

LIEUT. GENERAL J. T. WALKER, C.B., R.E.,

Surveyor General of India,

To

The Secretary to the Government
Public Works Department
Madras.

SIR,

In reply to your No. 2489 dt. dated 25th ultimo, I have the honour to inform you that the Mathematical Instrument Department which is attached to the Surveyor General's Office in Calcutta is not at present in a position to undertake the repair of the mathematical instruments of the Madras Public Works Department. It has already as much work coming in as it can well get through with the present establishment, and there is no room for expansion in the present buildings which, as it is, are very crowded and inconvenient, and quite inadequate for existing requirements.

Proposals are at present under the consideration of the Government of India for the construction of ~~the~~ new offices and workshops for the Mathematical Instrument Dept. But it is improbable that new buildings will be constructed in less than three years from the

the present time.

3. Any new special work, requiring the services of a skilled instrument maker, might generally be executed in the Department. But I think that for the ordinary current work of the examination and repair of instruments of the better classes, and the construction and repair of instruments of an inferior class - such as are often required in large numbers by the Revenue Surveys and other departments of the public service, and can be constructed more cheaply in this country than purchased in England - it will be found most economical to make arrangements such as are suggested in para 17 of Lieut Boddley's letter No 1447 B. dated 7th ultimo.

I have the honour to be

Sir,

Your most obed^t servant

J. T. Walker.

Lt Col R. G.

Surveyor General of India

R. G.

3183
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No. 1065

M. C. P. 11

No 3044

No 2044 Cop 11 Nov/82

Referred to the
Superintending Engineer
5th Circle for report as
to the arrangements
now feasible.

*W. Lambey Col. & Co.
Secy. to Govt. S.W.S.*

To the Supt. Eng. 5th Circle
in original to be returned

No. 13 A.

82

No. 2990.

SUPERINTENDING ENGINEER'S OFFICE,
5TH CIRCLE, MADRAS,
Chepauk, 21st November 1882.

From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE Chief Engineer D. P. D.

SIR,

I have the honor to return your En-
-dorsement of P. 2044 of the 11th Inst. and
to report that from para 3 of the Dir.
-Major General's letter, there can, in my
opinion, be hardly any change made
in the Instrument Department of the
P.W. Workshop. For the ordinary cur-
-rent work of examining and re-
-pairing instruments, for the various
Government Departments, the Shop
which has done the work hitherto,
will be required to be maintained,
at about the usual strength.

Enclosure-2
2 Letters.

19611-23 Oct.
- Nov 1882 -

2. The General Superintendent
Shows the monthly cost of Establish-
ment to be P^d 820 in his letter in-
closed. This amount includes a
portion of his own pay; of which one
half is debited to the Workshops; and
about $\frac{3}{8}$ th of that moiety to the Instru-
ment Department. But this item
of P^d 150 will not altogether disappear;
on the abolition of the Office of General
Superintendent; for the Instrument Shop
cannot well be separated from the
P. W. Stores; and a share of the cost of
Supervision will remain debitable to
the Instrument Shop.

3. If then it be decided that
the Instrument Shop cannot be dis-
pensed with, there must be some res-
ponsible person in charge of it and
of the Stores. But until tenders
are received for the Workshop build-
ings and Plant, it cannot be de-

termined

determined what supervision will
have to be retained for a general
Workshop on a reduced scale.

$\frac{3183}{6}$ I have the honor to be
Sir
Your Most Obedt Servt

Wm Brenderup Coll. P. W. E.
Superm L^d Engineer
B. Circular

From

THE SUPERINTENDING ENGINEER,

5TH CIRCLE,

To

THE Chief Engineer
Public Works Deptt

Dated

22nd November 1882

Recd.

ENCLOSURES 2

No. 2990.

Public Works Workshop
at Madras.

Gives his opinion regard-
ing the retention of the
Mathematical Instrument
Department.

PRESIDENCY PUBLIC WORKS WORKSHOPS,

Madras, 14th Nov 1882.

No. 1954 W.

From

THE GENERAL SUPERINTENDENT,

PUBLIC WORKS WORKSHOPS,

To

THE Superintending Engineer
5th Circle
Chennai.

Sir,

With reference to your No. 2882 of
13th November 1882 I have the honor to recom-
mend that the Mathematical Instrument
Department of the P. W. Workshops should be
maintained on its present footing.

2 The cost of the Establishment is
approximately as follows: -

The General Superintendent	Rs 150
The Foreman (Chennai)	190
The Engineer	30

About 30 workmen on pay
varying from 40 Rs to 5 Rs 450

Total per mensem Rs 820

The pay of the General Superintendent
P. W. Workshop is Rs 407-8-0 and I have
taken 150 Rs of this amount as the monthly
debit against the Instrument Department.
The Foreman is a Supervisor in the P. W. and
will be entitled to promotion in the ordinary
course.

Public Works Workshops.

From
THE GENERAL SUPERINTENDENT,
P. W. WORKSHOPS,
MADRAS,

To
The Superintendents
5th Circle
Chennai

No. 1954 W.

Dated 14
Despd. 15
Recd. 1882

No. of ENCLOSURES.

Subject

Recommendations
for reasons assigned therein
that the Mathl. Instrument
Dept. of these shops, be
maintained on its present
footing.

No. 3183 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 4th Decr 82
Read the following:-

Letter from the Secy or
General of India } (No. 611 Id/23 Octr 1882)

Do from the Suptg Engineer
5th Circle, with enclosures } (" " 2990 Id/22 Nov - ")

It is evident from
the correspondence recorded
above that the closing of
the Mathematical
Instrument Shop under
existing circumstances would
be premature. They will
accordingly be maintained
for the present for the
Execution of Government
work - the Establishment
being regulated solely

with reference to the amount
of such work likely to
be required. The
execution of private work
should not be encouraged.

27. 11. 82

27. 11. 82

81
7

St. Fifth Circle ✓ 7
Genl Supa PW ✓ 3
Examiner S.W. Act ✓ 7
Public Dept ✓ 7
Revenue — ✓ 24
Militancy ✓ 15
21

Dec 11-12-82

R.S.
C. 27. 11. R 4/4

3183
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Gobt of (1882) Madras.
PUBLIC WORKS.

Dated

5/12

Recd.

Encl.

G. O., 4 Dec. 1882, No. 3183.

Nos. 13 - 14.

P. W. Workshop.

The closing of the
Mathematical Instrument
Shop in the — deferred
for the present

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Sou/c

San to in Receipt