

Mr L. 432. 720. 7. 88.
" 2546C. 5. 7. 88
B. 2963N. 7. 11. 87
G. 6. 1809N. 29. 7. 80
" 1915N. 7. 8. 84

P.W.C. No 7143

[6]

Gobt. of (188.) Madras.

To

The P.W.D

Communicated
to the Deputy Eng. II
to the Deputy Eng. IV
Circle with reference
to his letter no 262ew
of 28th June 1888.
28th June 1888

M.H.
27/7/88

Recd 6. 5. 88.

Proceedings, dated 31 July 1888.
No. 449

Subject.

Sanctioning the
temporary exemption
of Cooperas Ras for the
period during which
he acted as clerk
IV 3rd grade.

To the Circle
Ex. Secy. 14/8

14/8
18/8

Proceedings of the Madras
Read the following

20TH JULY 1888, No. 429, EDUCATIONAL.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—again the following papers:—

G.O., dated 16th November 1887, Mis. No. 627, Educational.

Read—the following letter from H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Madras, 31st October 1887, No. 7671:—

I have the honor, with reference to the enclosed correspondence, to request the sanction of Government for the employment of Mr. G. H. Stuart as an Assistant Examiner to the Board of Examiners for the College of Engineering, under Article II of the Rules, and for paying to him from the balance of fees collected for the Surveying and Draughtsmen's examination in May last, and now with the Principal, the sum of Rs. 500 for the work, which comprises, I understand, all the higher mathematical work.

2. A meeting of the Board, at which the Principal was present, was held at my office to consider how the work allotted to the Board could be reduced to reasonable limits, and I decided to relieve the examiners of all work not of a final character. But even with this relief the amount of examining to be done, to which has been added the additional work consequent on the permission accorded by Government to failed candidates to appear again under the old rules, was, in my opinion, quite beyond what could fairly be demanded of the Board; and I therefore decided to allow, subject to the approval of Government, the employment of Mr. Stuart as proposed by the Board.

3. When the approaching examinations have been completed, I will ask the Board to again consider the details of the present system in view of limiting the examinations to reasonable dimensions. The examination is now unquestionably too detailed in each subject. The qualifications of the students can be sufficiently well ascertained without putting them questions in so many portions of the subjects studied.

Order.—dated 16th November 1887, Mis. No. 627, Educational.

The employment of Mr. G. H. Stuart as an Assistant Examiner to the Board of Examiners for the College of Engineering at the next ensuing examinations, and the payment to him of Rs. 500 from the source indicated, is sanctioned.

(True Extract.)

(Signed) H. E. STOKES,
Chief Secretary.

To the Director of Public Instruction.
" Accountant-General.

order

No. 1432. 7.20.7.88.
" 2546C. 5.7.88
B. No. 2963W. 7.11.87
G.O. 1809W. 29.7.80
" 1915W. 7.8.84

P.W.C. No. 7743
[6]
Govt. of (188.) Madras.

To

The P.W.D.

Commenced
to the Subj. Engr. IV
Circle with reference
to his letter No. 262W
of 20th June 1888.

Proceedings, dated 31 July 1888.
No. 449

Subject.

Sanctioning the
temporary exemption
of Cooper Ras for the
period during which
he acted as clerk
IV 3rd grade.

To Circle

Ex. para. 14/8

14/8/88

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(Signed) H. E. STOKES,
Chief Secretary.

To the Director of Public Instruction.
" Accountant-General.

order

G.O., dated 24th November 1887, Mis. No. 639, Educational.

Read—the following letter from H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Ootacamund, 13th September 1887, No. O-233 :—

In article II of the new rules of the College of Engineering it is provided that “the admission and all final examinations” are to be conducted by an independent Board of Examiners, whose remuneration is to be fixed from time to time by Government. The Board may employ assistant examiners with the sanction of Government. The decision of the Board in regard to the qualifications of candidates to be final. These rules came into force from the 1st January 1886.

2. The work of the Board in 1886, however, did not include the examination for draughtsmen and surveyors, whose examinations were still conducted by the

* Letter from the Acting Principal, College of Engineering, dated 25th April 1887 (requested to be returned). College staff. * Towards the end of April last Captain Henderson brought the matter

to my notice simply with the view of employing external examiners, and as the fees had been paid, and as the urgency of the arrangement did not admit of laying the case before Government, I approved his proposals.

3. The new rules provide [Article IV (6) and (8)] for the demand of fees for admission examinations only in the case of civil and mechanical engineers and of engineer subordinates. The fees for the final examination of draughtsmen and surveyors appear to have been levied irregularly under G.O., No. 95, dated 6th April 1866. I say irregularly, because that order contemplates the levy of a fee of Rs. 15 from candidates for certificates in surveying and not for a fee of half this amount from candidates in this subject and for fees of a similar amount from candidates for certificates as draughtsmen, and because that order must be held to have been superseded by the new rules.

4. As I thought the whole question regarding the examinations at the college needed revision in view of the above facts, of the fact that the examinations are not self-supporting, and of the fact that remuneration fixed for the Board in G.O., dated 2nd November 1885, Mis. No. 677, will not be adequate for the work which must finally devolve on the Board, I called on Captain Henderson to submit proposals for making the entire work falling on the Board under the rules self-supporting. His proposals are embodied in his letter (requested to be returned), No. 231-C., dated 19th August 1887.

5. The remuneration of the present Board was fixed by Government at the present figures on my recommendation (letter No. 6139, dated 15th September 1885, recorded in G.O., dated 12th October 1885, Mis. No. 632). I considered it undesirable to remunerate the members of the Board on the university system. Dr. Duncan, however, held a different view, I presume, because the remuneration did not vary with the amount of work, and recommended a fixed scale of remuneration in his letter No. 8080, dated 4th December 1886. The Government, in G.O., dated 8th January 1887, Mis. No. 21, declined to sanction the increase suggested. The total present remuneration is Rs. 1,800. At the rates proposed by Dr. Duncan, the aggregate remuneration would have been about 25 — 30 per cent. higher, whilst he apparently contemplated confining the work of the Board to the examinations relating to civil engineers, mechanical engineers and engineer subordinates.

6. I think the scale of remuneration originally proposed by me will be too low, as observed by Major Henderson, when the new scheme is in full working. Major Henderson, however, includes term examinations in the Board work, whilst the intention of the rules is simply to dispose of certain subjects in the courses for engineers and engineer subordinates at term examinations [Article V 1 (a) and 2 (a)]. But I consider that the candidates concerned should bear the full cost of maintaining the Board.

7. I propose therefore to raise the remuneration from the 1st November next, when the second year of the Board's life expires, to the following amount :—

	Rs.
President	900
Two members at Rs. 700 each	1,400
Assistants	250
Total	2,550

This sum, I would observe, is but little above that suggested by Dr. Duncan for work which does not represent more, I should say, than two-thirds of the work which will devolve on the Board by requiring them to conduct the examinations for surveyors and draughtsmen. An additional sum of about Rs. 250 must be provided for assistant examiners for the vernacular and field test work.

8. To meet this outlay I propose to fix the fees for admission and final examination as follows :—

	Rs.
Admission, Engineer class	20
Do. do. Subordinate class	15
Final, Engineer class	20
Do. Subordinate class	15
Do. Draughtsmen	10
Do. Surveyors	15
Intermediate, Engineer class	10
Do. Subordinate class	6

9. At these rates the several examinations should produce an income of not less than Rs. 2,550 annually. This estimate is based on the following figures :—

	No. of candidates.	Fee.	Total.
		Rs.	Rs.
Admission Examination, Engineer class	15	20	300
Do. do. Subordinates	35	15	525
Final Examination, Engineer class	10	20	200
Do. Subordinate class	25	15	375
Do. Draughtsmen	35	10	350
Do. Surveyors	20	15	300
2 Intermediate Final Examination, Engineer class, 10 candidates in each year	20	10	200
2 Intermediate Final Examination, Subordinate class, 25 candidates in each examination	50	6	300
Total			2,550

10. I propose that, as regards the Engineer and Subordinate Engineer classes, these new rates should not affect students already in the college, but should apply to surveyors and draughtsmen from the end of the current year.

11. As regards the constitution of the Board I would recommend, on the expiry of the three years for which the present Board has been appointed, that the Board be constituted as follows :—One Royal Engineer or Civil Engineer officer of the Public Works Department, one Civil Engineer not in Government employ and a Mathematician when practicable, one officer of the Educational Department. My object in making this recommendation is to secure the representative character of the Board, and also the presence on the Board of an officer who has kept up his knowledge of the higher mathematics. This is not to be expected of officers whose work has been for years of a practical and executive character.

12. Should these suggestions be approved by Government, I will submit a draft notification for their approval, embodying them in the College Code of Rules.

13. Should, however, the Government not be prepared to raise the fees in the way proposed, I would suggest, as an economical alternative arrangement, that the conduct of the examinations concerned be transferred from 1st January 1888 to the

Commissioner for the Uncovenanted Civil Service Examinations to be included among the examinations held under notification, dated 31st March 1886, through the agency of a "Board of Professional Examiners," as provided in article 4 of that notification.

Order—dated 24th November 1887, Mis. No. 639, Educational.

Pending further experience of the working of present arrangements, the Government are not prepared to alter the decision recorded in G.O., dated 8th January 1887, No. 21, Educational, and from the correspondence recorded in G.O., dated 16th November 1887, No. 627, it would appear that, if further expenditure is proved to be necessary, it should be spent on strengthening the Board and not on increasing the stipends of members.

2. The Government approve of the principle that the examiners of the college should, as far as possible, be conducted by examiners unconnected with the staff, but they are not disposed to sanction the proposal to charge fees for the intermediate examinations, which form a part of the college discipline. The fees specified in paragraph 8 of the foregoing letter are accordingly approved, with the exception of those for the intermediate classes, and subject to the limitation proposed in paragraph 10.

(True Extract.)

(Signed) H. E. STOKES,
Chief Secretary.

To the Director of Public Instruction, with two enclosures.

READ—also the following paper:—

From H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Ootacamund, 27th June 1888, No. O-300.

With reference to G.O., dated 24th November 1887, No. 639 (Educational), I have the honor to submit, for the consideration of Government, a report (requested to be returned) from the President of the Board of Examiners, College of Engineering.

2. In the first place I would draw the attention of Government to the fact that the intermediate examinations to be held by the Board under Article 5 (a) of the College Rules are really the final examinations in the subjects or branches of the subjects concerned. The Board strongly advocate the retention of the system of examining finally in certain subjects at the close of the first or second year of the course, and their reasons may, I think, be accepted, although, to my thinking, the system is too schoolish and cumbersome, and makes public examination rather an accessory of education than its final test.

3. In view of the above recommendation I hope the Government will sanction the levy of fees at final examinations held during the course at the rates mentioned in paragraph 9 of my letter recorded in the Government order above read, substituting for "subordinate class" the words "other classes," as I observe that the Board propose to examine draughtsmen and survey students at the end of the first year finally in certain subjects. I submit a draft notification for the approval of Government.

4. The next point raised is the constitution of the Board and its remuneration. It will be observed that the Board recommend a board of three members with three assistant examiners, one for mathematics, one for science, one for Tamil and Telugu. I entirely object to the transfer of the mathematical work to an assistant examiner. The standard of study in mathematics is very high, and, as proposed in my letter, should devolve on a member of the Board. I therefore do not support their proposal. If the work is too heavy for one examiner, it can in the less advanced subjects be well shared by the engineering examiners, who have until this year done the work unaided. The other two assistant examiners are necessary.

5. As regards the salaries of the staff the Board propose to give the President and the members the salaries recommended in paragraph 7 of my letter, and in addition Rs. 500 to the mathematical assistant examiner, Rs. 200 to the science assistant

examiner, and Rs. 150 to the assistant examiner for vernaculars. There is no sufficient reason, I think, for varying my former recommendation beyond raising the provision for assistant examiners from Rs. 250 to Rs. 350. I certainly do not see my way, in view of the fact that the classes are at present very weak (they averaging less than half the strength on which my calculation was based), to proposing a material increase in the cost of the Board, whilst on the other hand I believe it would not be practicable to secure good men to sit on the Board if the additional sum required for assistant examiners, Rs. 500, is to be taken out of the Rs. 2,300 to be allotted to the Board of three members, for I fancy few specialists will undertake the work of the Board if the present rates are not raised. The fees for this year will probably not much exceed Rs. 1,000, thus leaving a net charge on provincial for the Board of Rs. 1,500 approximately.

6. The Board will complete their three years' term as a board next month, and I take this opportunity of proposing the constitution of a fresh board, under article II of the notification, as follows:—

President.

Major Coaker, R.E., Public Works Department.

Members.

Mr. G. H. Stuart, Educational Department.

" J. A. Jones, M.I.C.E., Vice-President, Madras Municipality.

The assistant examiners will be selected later.

ORDER—dated 20th July 1888, No. 429, Educational.

The permanent addition to the Board of Examiners for the College of Engineering of an assistant examiner for science on a yearly remuneration of Rs. 250 is approved, but, in view of the small proportion borne by fees to the total cost, the Government cannot sanction the proposed enhancement of the remuneration paid to the President and members. With the addition of the assistant now sanctioned, the Board will cost Rs. 2,125 a year.

2. The Director's remarks in paragraph 4 of the foregoing letter on the objections to the delegation of the mathematical work to an assistant examiner are concurred in by the Government, and the constitution of the Board recommended in paragraph 6 is approved.

(True Extract.)

J. F. PRICE,
Ag. Chief Secretary.

To the Director of Public Instruction, with enclosure returned.
" Public Works Department.
" Accountant-General.

Exd. J. Moses.

Order thereon 14th August, 1888
no. 2470 W.

Recorded.

Captain R. E.
under Secy to G.

Govt. of (1888) Madras.
EDUCATIONAL.

Issued

Recd.

Encl.

G.O., 20th July 1888, No. 429.

JULY,

College of Engineering.

Approving of the permanent addition to the Board of Examiners for the — of an Assistant Examiner for Science and the constitution of the Board recommended by the Director of Public Instruction, but declining to sanction the proposed enhancement of the remuneration paid to the President and members of the Board.

Replies to the points noted in the Summary of Inspection notes dated 18th April 1888.

(Item No) 4. A register of all documents received in, or issued from, the office is duly kept up. The memo returning the voucher referred to was given to one of the Inspecting Accountants to be shown to the Examiners. Apparently it was not so shown. A copy is herewith enclosed.

5. The Insprmt has been reduced to Rs 50 —

6. On receipt of G. O. No. 2355 W dated

12
Order of September 1887, I
asked the Superintending
Engineer to make an
exception in this district
to the rules therein laid
down, as they would
answer no useful pur-
-pose whatever. The
Superintending Engineer,
while agreeing with my
views, considered it
useless to reopen a
matter recently decided
by Government. I there-
-upon ordered that the
practice of Sub division
officers' Calling for and
opening tenders - a
practice which had
existed in this district
for many years with
the

the Superintending Engineer
Sanction - should be
discontinued. The upshot
of the Change in procedure
was that no tenders
whatever were received
for several illiterate
mechanics, who cannot
- write - a
- fault which I had
pointed out was ineri-
- tal - and after a
delay of two months I
authorised the Sub di-
- vision officer to make
the best arrangements
he could for starting
the works, reporting the
matter to the Superintending
Engineer. With these
exceptions works have
since the date above
mentioned only been

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Sanction - should be
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of the Change in procedure
was that no tenders
whatever were received
for several^{of} years
by illiterate
Ministries, who cannot
read - a ^{dis}advantage
- cult which I had
pointed out was ineri-
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- vision officer to make
the best arrangements
he could for starting
the works, reporting the
matter to the Superintending
Engineer. With these
exceptions works have
since the date above
mentioned only been

Given out on tenders
called for and opened
by the Executive Engineer.

Similarly when the
Contracts for works to be
executed during 1888-89
were given out by the
Executive Engineer in
February last, no tenders
whatsoever ^{were} received by the
Executive Engineer for
at least one half of the
works. This is not due
to any defect in the notices
calling for tenders, such
notices being printed in
the District Gazette, and
being posted all over the
District for one month
before the date fixed
for opening tenders, but
is solely due, as has already
been

been frequently pointed
out by the present and
former Executive Engineers
to the fact.

(1) That the majority of
the Contractors of this
district are illiterate
maistries, who cannot
read or write, and who
will not take up works
except in the vicinity
of their villages.

In addition to this it
must be borne in mind

(2) That a large number
of the persons who tender
for Contracts are pure
adventurers, who possess
no Capital and who
borrow money at
5 percent per mensem,
and break down if
they cannot reap an
immediate profit out
of the work; and

(3) That the number of
important Contractors is
very small in proportion
to the large numbers of
workers

Review on to on tenders

called for and opened
by the Executive Engineer.

Similarly when the
Contracts for works to be
executed during 1888-89
were given out by the
Executive Engineer in
pursued with
with the sanction of
various Superintending
Engineers, viz for the
sub division officers to
assemble the Contractors,
to show them the estimates,
to instruct them to send
in tenders for the work,
called for the reason given
in (2) to forward the
tenders when received
to the Executive Engineer
with the sub division officers
recommendations.

Sp

1881 11. 11. 88

been frequently pointed
out by the present and
former Executive Engineer
to the fact.

(1) That the majority of
the Contractors of this
district are illiterate
maistries, who propagate
rumor on the Iris chief
that would be caused
were the Superintending
Engineer to select Contracts
without prior reference
to the Executive Engineer,
or the latter (in many cases)
in his turn without
reference to the sub division
officer.

For the reason given
in (3) it is quite idle
to expect that there will
be much competition
in this district. Probably
at least three-fourths of
the people who tender for
works belong to the
class of "adventurers"
and cannot be trusted

been frequently pointed out by the present and former Executive Engineers, to the fact.

(1) That the majority of the Contractors of this district are illiterate

maistries, who cannot

buildings in the neighbourhood of a big town, while for irrigation works, such as the Upper Odai Dam, Vizianarayanam Tank &c situated in remote localities, the Executive Engineer may consider himself very fortunate if he can induce a good Contractor to send in a tender.

For the ^{given} reason in (2), accurate knowledge of the private means and circumstances of all tenderers is indispensable, and can of course only be obtained by enquiries in the locality where the tenderers reside. It is impossible to tender, and in other work in connection with giving out Contracts.

It would take time to point out other objections to the Code rules in reference to works in this district.

This has already been done both by ^{*}me and by former Executive Engineers, and as a matter of fact the Code rules have never been followed until quite recently, simply because

*
 Vide my letters to the Sd
 ho 2626, dated 5 Oct. /87
 ho 3198, dated 21 Jan. /88
 ho 3455, dated 22 Feb. /88

(8)

Carry out works of
the Simplest Character.

The only works for
which there is any
thing like Competition
between trustworthy
Contractors are for
buildings in the neigh-
bourhood of a big
town, while for irri-
gation works, such
as the Upper Odai Dam,
Vijaynarayanam
Tank &c situated in
remote localities, the
Executive Engineer may
consider himself very
fortunate if he can induce
a good Contractor to send
in a tender.

(9)

~~undertaking no work~~
duty. Half my time
during the last six months
has been taken up in
running after Contractors,
in Correspondence with
the Sub division officers
with regard to tenders,
and in other work in
Connection with giving
out Contracts.

It would take time
to point out other objections
to the Code rules in reference
to works in this district.

This has already been done
both by me and by
former Executive
Engineers, and as a
matter of fact the Code
rules have never been
followed until quite
recently, simply because

*
Vide my letters to the S.D.
No 2026, dated 5 Oct. /87
No 3198, dated 21 Jan. /88
No 3455, dated 22 Feb. /88

they will not work,
and it has probably
seemed more important
to Superintending Engineers
that works shall be
properly carried out
rather than ^{that} red-tape
rules shall not be infringed.

I consider that the
following relaxation
of the rules is indispensable.

(a) For works below
Rs 1000 tenders to be
called for, and opened
by Sub division officers,
^{the tenders received} being then sent on to the
Executive Engineer with
the sub division officers'
recommendation.

This will obviate the
useless formality,
(which

in a tender.

I agree with the
Eng^r arguments &
endorse his recom-
mendations, ex-
cept in regards
emergent works.

which now occurs) by
which tenders for a
large number of petty
works are called for
by ^{the} Executive Engineer
with the result that
(1) either no replies
are received, or
(2) if replies are received
all the tenders sent in
have to be forwarded
to the Sub division officer
with a request that he
will enquire into the
circumstances of each
^{tenderer} tender and report to
this office.

(b) For all other
works, irrespective of
amount, tenders to be
called for by the

Executive Engineer, a Contractor selected and the tender, Bonds & sent to the Superintending Engineer for approval. I can see no useful object whatever in ~~presenting~~ ^{presenting} the Superintending Engineer to do more than this, and it seems to me that all he can possibly do in the matter is to see that the Bonds &c is drawn up properly.

(C) As far as I am aware the Code rules do not even provide that emergency works, such as breaches &c can, failing the possibility of the work being done departmentally.

I am decidedly of opinion, that at once put in hand by a selected Contractor as a rule neither any time can be drawn out prior to the work being started, (Departmental work should not be given on an extensive scale

L.W.B.

is an impossibility in this district, where labourers will not work without advance and good maintenance are most difficult to procure. A relaxation of the Code rules is therefore necessary empowering the Executive Engineer

to start all emergent works by Contract without Calling for tenders.

(d) Finally, when after a months notice by the Executive Engineer or Sub division Officer, no tenders have been received, the Executive Engineer be empowered to make the best arrangements he can for carrying out works.

~~for approval.~~

7. The Course followed in all these 9 Cases has been the same as that pursued for many years past without any objection being made. I must here again bring prominently to notice that the only alteration made in the manner of giving out Contracts since I have been in the Division is to do so in strict accordance with the rules on the subject, viz to take away the power from Sub division officers of calling for tenders, & to

the Executive Engineers
approves, tenders.

What is now objected to
by the Engineer has
been done for years &
without any objection
being made. The fact
that I brought the whole
question of the difficulties
experienced in regard
to Contracts to the ^{inspecting} Engineer's
notice, and requested
him to look thoroughly
into the matter, as also
that his Accountants
were occupied for
a fortnight in over-
hauling the office, may
account for this.

8. In the case of the
Luppar Odai Dam the
Special ^{to be} ^{one} of
the

the Superintending Engineer
was obtained (vide
Superintending Engineer's
Endorsement No 370 & A
dated 9 September 1887)
to continue the work
under the only Contractor
in the whole district
competent to execute
it. The trouble met
with in the progress
of this work, involving
in two cases legal
proceedings against
Government (which
were subsequently
compromised) has been
reported in full, and
is largely traceable
to Contracts having
been given, under the
open tender system,

men without Capital
who should never have
been employed.

In one other case
mentioned tenders were
called for, but no replies
were received, while in
the two remaining cases
tenders were not called
for as it was known to be
perfectly useless to do so,
the Contractors selected
only taking up the work
as a favour. In none
of the three cases did the
Superintending Engineer
make any objection to
the course followed,
having before him, in
special reports, the great
difficulties experienced
in

in this district in placing
Contracts.

9. As bonds were
executed in Piece Workers ^{was}
agreement their trans- ^{these}
-actions were accounted ^{due}
for in the Piece Workers ^{gls}
Accounts Form No 16. ^{made}

G. O. No 94 W dated 11th
January, 1888, defining ^{ded}
the terms "Contract" and
"Piece Work," as only ^{is}
received in this Office ^{was}
on the 12th February ^{the}
1888. ^{little}

10. The works noted ^{as}
here being of an emergent
nature were started ⁹
in anticipation of sanction
to the estimates.

11. As the works
para 936 of the P. session
Feb

were given on Contracts
on the Piece Workers
agreement, the bills
relating to such works
were prepared in the
Piece workers bill
(Form No 14 A) vide also
reply to item No 9.

13. The necessary
Sanction ^{has been} ~~was~~ obtained
vide G. O. No 201 Dated
21st March 1888.

14. The Executive
Engineer reported the
state of Confusion in
which the records
were in on his first
arrival in the district
and long ago obtained
temporary establishment
to arrange them properly.
The work will take
cu

a long time.

15. Part III was
not filled in as there
were no arrears due
to the parties though
payments were made
during the month.

16. Will be attended
to in future.

17. The Shed was not
newly built but was
reconstructed with the
old materials available
from the old shed &
dismantled. As there
was a large saving
under Contingencies,
and as the cost of the
reconstruction of the
shed was only Rs 130,
it was rebuilt,
para 936 of the P. session
in Co. ^{ies}

20. No penalty was enforced, as it is not understood that the Code rule referred to implies that an Executive Engineer is not to use his discretion in such a matter. It is the rule and not the exception in some parts of the district for Contractors to fail in point of time, and if penalties were invariably enforced, without regard to the circumstances of each case, the state of things would speedily become worse than they are at present. There is no reason to believe that Contractors fail from want of knowledge of their

I quite agree with Mr. [unclear], whenever we have got difficulty in getting Contracts taken up at all, any harsh infliction of penalties would only add to our difficulties.

Every officer sent near for our sent into getting into arrears.

and not from carelessness in their business, I am - Certainly not disposed to inflict fines.

21. The Contract Certificates received from the Sub division with Cash extracts for the last period of December 1887, viz 20th to 31st were not posted into the Ledger as the Accountants and his assistants had not been engaged for a fortnight in furnishing information to the Inspecting Accountants and the Insamers on their inspection.

22. The Accountants ^{that} states as soon as the bills are received from the Sub division with their ^{to the Sub}

(24)

Cash book, they are checked either by the Accountant or by his Assistant, but the Measurement Sheets are not checked in the Divisional Office, as they are checked by the Sub-divisional Clerk as soon as received from the Quarters before payments are made.

He adds that if the Measurement Sheets are to be

checked a third time in the Division Office, it will be a difficult task for him and his assistants to keep up with their other work,

as 65 bills are received on an average in each month. The office Establishment is at present

(25)

present insufficient to cope properly with the work it has to do, and at times work falls very much into arrears, though I am satisfied that every member of the office establishment does his best to keep up with work. I cannot afford, from my present establishment, to give another clerk solely for accounts duty, and if it is considered that the responsibility for final checking of the Measurement Sheets of works in the Sub-division is to be done in the Executive Engineer's Office and not to be left to the Sub-

(26)

Division Clerk, and the Accountants is held to be right in his Contention that neither he nor his Assistant has time for the duty, and additional Clerk to my office will be necessary.

27. The excesses were not noticed in previous years and the source of them is not now traceable. These excesses have been brought into the Return for the half year ending 31st March 1888.

30. The books are complete in all respects.

32. The entries noticed have been signed and the Service books are complete.

As I should consider necessary in monthly inspection of all documents & that he complete by checks a good percentage of the measurements. That

(27)

33. Attended to

34. As these lascars

I do not see how the Service is to be kept in service books & men not employed under his immediate orders. If they get leave from the Tahsilदार or other Revenue Officer, how can the fact be booked it?

are still under the orders of the Revenue Department. Service Books were not opened for them along with other Conservancy establishments. This will now be done on receipt of information as to the Service & from the Revenue Department.

J. W. P. P. P.
- Supg Engr

30 May 1888

A. S. K. R. R.

Executive Engineer
Simultaneously

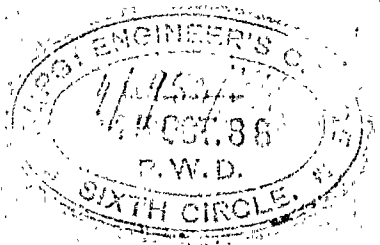
Palamcottah
22nd May 1888

Supervisors



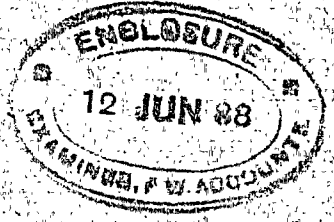
J.N.
2/333/88

E.3
PH. 5199/188
10638



Tinnevely Division

Replies to the
points noted in the
Summary of Inspection
Notes of the Deputy
Engineer of P.W.D.



Enquire, of the office of
Division, on its to

Notes of inspection book 9
J.N.
1/333/88 D.P.W.

From

A.S. Russell Esq
Executive Engineer

Tinnevely Division.

To

The Detached Officer
Erinellipattur

Station Palamcottah

No. 2709

Dated

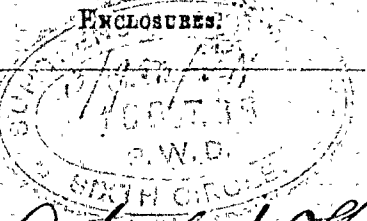
Despatched

Received

2 } December 1887

ENCLOSURES:

Reference



above office by
in November
by O. 308710 of 2
3
number

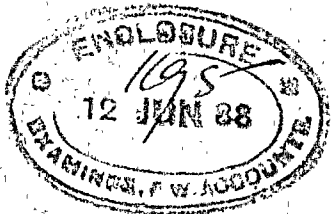
(1) The Perka
W.V. Bak
men.

(2) The Shom
M. R. A.
Sub Engineer
have drawn
contractors

of materials

There are only two imprest holders
both recouped by the Executive Engineer namely
Superintendents

The Detached Officer is
requested to enter the particu-
- culars of work done and
the measurements thereof
in part III of the enclosure
Nominal Muster Roll
(Couche No 2 of his
Imprest account dated
28 ultimo) and to



233/88

return the vouchers without delay.

(Signed) A. S. Russell
Secy: Engineer

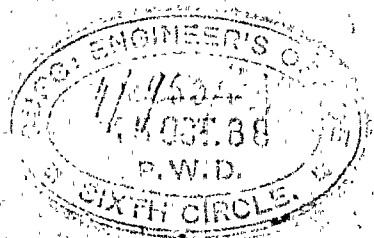
(Encopy)

A. S. Russell

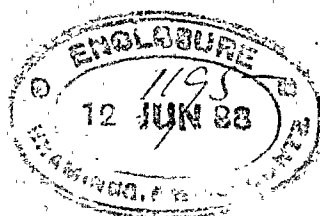
Executive Engineer

E. S.

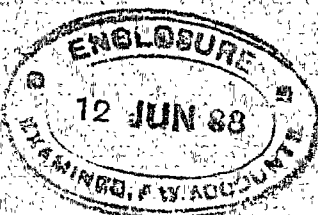
P.N. 5799/88
10638



Tinnevely Division



Replies to the
points noted in the
Summary of Inspection
Notes of the Deputy
Secretary of P.W.D.



Notes of inspection by H. Ramesh
Esquire, of the office of the Executive Engineer, Tinnevely
Division, on 16th to 19th January 1888.

The present Executive Engineer Mr.
A. S. Russell, Executive Engineer 5th grade, took
charge of the Division from Mr. A. M. Hayes,
Executive Engineer 4th grade, on the 28th February 1887.
The present Accountant Mr. A. V. A. Sundara-
nadhara Mudelliar, Accountant 5th grade, took
charge of the accounts on 23rd April 1887.

The last examination of the
above office by an Accounts Officer was
in November 1886, vide papers printed with
G. O. 3087 W of 22nd November 1886.

The Sub-Divisions are 2 in
number.

- (1) The Penkaran Sub-Division under Mr.
W. V. Baker, Honorary Assistant Engi-
neer.
- (2) The Shermadam Sub-Division under
Mr. R. A. P. S. Raghavachariar Aiyer, Sub
Engineer 5th grade, both these officers
have drawing accounts and pay of
contractors, piece-workers and supplies
of materials.

There are only two implest holders,
both recognised by the Executive Engineer namely
Supervisors

Supervisors Messrs G. C. Fitzgerald and
M. R. R. Arumanayagam, each with an
imprest of Rs. 100/-

5 The balance of the Executive Engineer's
drawing account at the close of 1887 was proved
correct. The cash book was compared with the
pass book and checked for two months, as were
also ^{sub-divisional} Sub-Divisional cash extracts and imprest
accounts.

6 The cash book is kept by the
accountant, while the more important duty of
auditing ^{sub-divisional} Sub-Divisional cash accounts, and
imprest cash accounts, contractors bills and
work abstracts is left to a Clerk and neglected
by the accountant, who says he has no
time to attend to it. The accountant himself
prepares salary and travelling allowance
and contingent bills too and does other mere
ink-work, all quite voluntarily and under
no compulsion, while the more important
work of accounting is left very much to the
Clerks. Now that the matter is for the first time
brought to his notice, the Executive Engineer
agrees to at once set the accountant free for
his legitimate work ^{sub-divisional}.

7 The Sub-Divisional Officers'
cash extracts reach the Executive Engineer three
times a month, and are generally supported by
vouchers complete.

8 The ^{divisional} Divisional cash book is
not certified at the close of the month by
the accountant, as having posted the cash
abstract book.

9 Imprest Voucher No. $\frac{2}{28}$ of 16th
November 1887 (a Nominal Quarter roll) for Rs. 6-12-0
was not available for audit. It was said
to have been sent to the imprest holder, but
no record of the despatch of it exists in
the ^{office} Office.

10 The imprest accounts are
generally recorded with sufficient frequency,
and promptitude, but Mr. R. R. Supervisor /
Arumanayagam's expenditure being rather
under Rs. 50/- per month, his imprest might
perhaps be reduced.

11 The accounts of works for three
months were thoroughly audited through work
abstracts into initial accounts, measurements
being checked, and materials at site
accounts being thoroughly analysed.
The agreements and accounts of contractors
and piece-workers were also thoroughly
checked.

12 There being but little petty
supervision and a great scarcity of labor,
no works in this ^{division} Division are executed
departmentally. The bulk of the work is done
by

13. Such men as seriously contract for work in this Division are not only scattered in the District far beyond reach of any publication, but are unable to read any language. Advertising for tenders therefore has been found only a great waste of time, response, if any, coming from men of no experience or capital, or serious intention of fulfilling their contracts unless it should prove very remunerative. There are a few skilled masons and men of the maistive class who tender for works when invited, but as the choice of, and arrangement with any of these men must ultimately be left to the ^{sub-divisional officers} Sub-Divisional Officers, (the Executive Engineer knowing nothing of them) the Executive Engineer considers it a saving of time to allow ^{sub-divisional officers} Sub-Divisional Officers to open tenders, and has

so ordered, and that when opened, all the tenders
are to be forwarded to him with the ^{sub-divisional} ~~Sub-Divisional~~
^{al} ~~al~~ Officer's recommendations and report regarding
each. This is not in accordance with G.O. 2355 W
of 2^d September 1887, and under ordinary
circumstances (though doubtless, all tenders would
be sent forward as received and with the most
scrupulous bonâfide report) it might be
expedient to give ^{sub-divisional} ~~Sub-Divisional~~ Officers
other than Gazetted Officers such complete
control over the contractors as the opening and
selection of tenders would generally involve.

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14. Remarks regarding the following works are particularised in the headings of columns 4, 6 & 8 across opposite a work in either column shows that the remark in the heading applies to that work

1	2	3	4	5	6	7	8
Name of work	Amount of Estimate	Name of Contractor	Contract made by Government or contractor	Contract made with contractor	Contract agreement made with contractor	Contract agreement made with contractor	Contract agreement made with contractor
Providing with falling distance for							
Upper Wadi & lower	20,710	Samson Samson					
Repair to the land Harbari							
Bank							
Demarcating the bed of	1070	Nadar					
Harapatham tank							
Repairing the left bank of	830	Subramanian Pillay					
Shambrapatham River above							
Stewart's tank	6,654	De					
Repairs to fund of Chirakulam							
Bank	230	Matthapernum Pillay					
Repairing the bank of	210	Samudram					
Annamapuram tank							
De							
De							
Reconstructing tank	310	De					
Repairing main aqueduct							
head sluice	140	Paranathadai					
Repairing lower portion of							
Haradachannel and the							
tank dependent on it	113	Chinnakam Pillay					
Repairing of the tank	197	Chinnakam Pillay					
of the tank							
Repairing the left bank of	1650	Nadar					
Samudram River below							
Stewart's tank	7,600	Superintendent					
Repairing the left bank of							
Samudram River below							
Stewart's tank							
Repairing the left bank of	1600	De					
Samudram River below							
Stewart's tank	1500	Superintendent					
Repairing the left bank of							
Samudram River below							
Stewart's tank							
Repairing the left bank of	9600	De					
Samudram River below							
Stewart's tank							

15 All contract ^{bonds} Bonds are executed on paper with adhesive labels and not on paper with impressed stamps as required by Chapter III, Section 9 (b) of the Stamp act.

16 Capankal channel. Constructing a sluice in lieu of Kulianeri Supply Sluice.
Estimate Rs 200/-

This contribution work was commenced without the sanction of Government para 1339 in continuation of Code para 1339.

17 It took a long time to produce papers relating to any account matter, showing that the records are not in first rate order. This was borne out by enquiries on the subject, but the Executive Engineer is taking this up thoroughly.

18 Reconstructing surplus weir at Pachai allur.
Rs 600/-

Part III of work abstract is not filled in, although departmental payments were made in that month.

19 In part II of work abstract when there is more than one contract certificate, the different items in the bill appertaining to each sub-head should be distinctly noted, and a total struck in the last column instead of adding the different items on a bit of paper, and then entering the total only in the work abstract.

20 Expenditure on the construction

of

of a laacars shed ^{estimate} debited to 'contingencies' of the above Estimate. It is desirable that in the item should be shown as a distinct sub-head.

21 Improving Tjjanarayana tank and channel. ^{Rs 21,850/-}

The work abstract for October 1887 is not signed by the accountant but is signed by the Executive Engineer.

22 Here again two different items in a contract certificate appertaining to one sub-head of estimate have been entered as one item in work abstract, the totals being made on a bit of paper.

23 Part III of work abstract is not filled in, although there are payments to the Office of the Executive Engineer during the month.

24 Improving Hakamallur channel. ^{Rs 17,205/-}

When a work abstract is prepared for a work which is done by contract, simply with the object of bringing in the petty supervisory charges, and when the items in the Certificate are such as to admit of direct posting into the Register of Works, the total value of work done as per contract certificate may be entered in a lump sum in the work abstract, instead of unnecessary copying the charges on each sub-head in detail in the work abstract.

entered

25. Korkai Tank - Repairs to bund of -
Estimate Rs 1,070

According to his agreement, the contractor Pakianatha Nadar should have completed his work by the 15th July 1886, instead of which the work was completed in December 1887. The work was first measured on 31st October 1887. A reference regarding the above was made to the Senkari Sub-Division in November 1887, his reply is still awaited.

26. It may be said that as a rule measurements of work are frequent and payments promptly made.

27. The Contractors' Ledger is not written up as work is measured, or as payments are made. Payments made in January 1888 by the ^{Divisional Office} Divisional Office to contractors are not yet entered in the Ledger, nor are all those made in December 1887.

28. Measurement books are never compared with measurement lists after the arrival of the former in the office, and measurement lists are cancelled only after the accounts to which they relate are submitted to the Examiner. It must be added that certain measurement books compared with lists were found to agree in the detail.

29. The instructions contained in Code para 1367 are not observed. Bills paid in Sub-Divisional Offices are not on arrival in the Executive Engineer's office checked with measurement lists, except as regards total quantity of work done, the accountants' idea being that as the checking of details has been done already in the ^{sub-divisional} Sub-Divisional Office, it need not be done again.

30. ^{work abstracts come up from} ^{sub-divisional offices} the Sub-Divisional Offices ready made: there is no date stamped upon them on arrival, and except a sort of audit by a clerk, there is no checking of these important documents in the Executive Engineer's Office, which however bear signs of occasional examination by the Executive Engineer himself.

31. The Budget registers are in order.

32. Screw gearing shutters were indented for in June 1887 from the D. W. B. workshops whence they were received in December 1887, as well as other similar items should have found place in the register of liabilities.

33. The consolidated return of Tools and Plant for 30th September 1887 was checked

checked with ^{sub.} Sub-divisional returns
 34 In the following items the consolidated return differs from the Sub-divisional returns

Name of article	As per consolidated return		As per Sub-divisional Return	
	Balance on 31 March 1887	Balance on 30 Sept/87	Balance on 31 March 1887	Balance on 30 Sept/87
Staves Levelling				
Telescopic				
Helioscopic	37	37	38	41
Circulars	88	48	89	64
Hammers Sledge	68	66	73	71

35 The articles in charge of Sub-Division officers are certified to have been counted by the Sub-Divisional Officers during the half year

36 The consolidated return of Tools and Plant for the half year ending 31 March 1888 has been opened out, and is posted up to the end of December 1887

37 Famine tools are mixed up with general tools both in the Store rooms and in the Divisional Return of Tools and Plant, it is thought desirable that the famine tools should be separately ^{stacked} stocked and accounted for, as they have to be separately reported upon half yearly by the Executive Engineer

38 The Service Postage Label ^{service postage label} account

account was checked for two months (December 1887 and January 1888), and found in order

39 The Register of buildings is apparently in order

40 Claims for travelling allowance of Lower Subordinates, Office and Petty Establishment from March to November 1887 inclusive, were checked and found to be correct

Claims of lascars attached to the Division Office are noted in pencil on odd bits of paper, and lack the Executive Engineer's initials as having passed them. The above slips are in Tamil it is desirable that an English version should be always on hand. In cases where daily allowance is claimed, the hour of departure, and the places visited should be noted

The journals of the Lower Subordinates are sent on to the Superintending Engineer. Under Code para 531 they should be filed in the Division Office

41 The service books of the following individuals having been sent out for re-attestation by subordinates were

the were not available in Office

- 34 (1) M. A. D. G. N. Subryala Naidu, Overseer 2nd grade
 (2) Shanmugam Lascar
 (3) Sudal mada-kone, Lascar
 (4) Morthia Pillay, D.
 (5) Sudalaimorthu Pillay, D.
 (6) Venkavagu Pillay, D.
 (7) Subbar Pillay, D.
 (8) Subramonia Pillay, D.
 (9) Sivam Pillay, D.
 (10) Ramakone, D.
 (11) Permayagann, D.
 (12) Pakiamthuan, D.
 (13) Hussam Sahib, D.
 (14) Vallathuan, D.
 (15) Abraham, D.
 (16) Sudalaimorthu Pillay, D.
 (17) Morthosami Pillay, D.

42 It is doubted whether a
 Supervisor who is not a sub-divisional officer,
 would be 'the head of the office' of a lascar
 working under such supervisor according to
 the intention of the heading of the last
 column of page 5 of the service book. in
 which

which column many service books in this
 Division bear only the signature of a
 subordinate ^{not} sub-divisional officer
 or a Sub-Divisional Officer.

43 In the service book of Lascar
 Syed Ahmed the entries in the first page
 opened on 7th July 1884 have not been signed
 by any officer

44 In the service book of Shakh
 Moideen Sahib, head Lascar, Kannadien
 Channel, the appointment and promotions
 have not been signed by any Officer

45 The service books of the follow-
 ing employees require reattestation

Name and rank	Date of last attestation
A. Shermetty, Lascar	6 th December 1881
Nataraja Iyer, Draftsman	15 th June 1882

46 The service books for the following Lascars have not been, but should be opened out

Sudalai Cumarapillai
V. Varagoo Pillay
Devanayagam Pillay

At Madras
23rd January 1888

Signed H. Kinnier
Inspecting Officer

N. 1362 of 18th April 1888

Forwarded with the accompanying summary and remarks, for the information and orders of Government

4/553/88
Division Ginnerelly Summary of Inspection Notes dated 18th April 1888 (G. No. 93.)

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
1	3	Irregular payment of contractors, piece workers, and suppliers by Sub-Divisional Officers.		1. The question of who is to be authorized to make these payments has been taken up separately, see G. O. N. 3207 W. dated 13 th 24 November 1887.
2	6	Neglect of accountant in regard to audit of Sub-Divisional accounts owing to his being engaged on other work that might well be done by the office.	3/4	2. The Executive Engineer has promised to alter the arrangements.
3	8	Non-entry of certificate at foot of cash book in regard to posting of cash abstract book by accountant.	foot of cash book. G. O. N. 3207 W.	3. The Accountant will be directed to attend to this.
4	9	Want of a record in regard to return of certain Vouchers to Sub-Divisional officers.		4. There should be a register of all documents received into, or issued from the office.
5	10	Imprest of M. A. R. I. Annamayagam Supervisor, susceptible of reduction.		5. The Executive Engineer might consider whether the imprest can be reduced. The amount is very small.

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
6	13	Tenders for contracts opened by Sub-Divisional Officers and sent on to Executive Engineer with recommendations	1350	6. If the Executive Engineer finds a difficulty in carrying out the Code rules, it is thought that he should apply through the Superintending Engineer for sanction of Government. Such relaxation of the rules as may be considered necessary and suitable.
7	14	Irregularities in regard to Contracts (1) Contracts made by the Executive Engineer in anticipation of Supervisor's authority in 9 cases.	1350	Apparently requires the Superintending Engineer's attention.
8	"	(2) Failure to call for tenders in 4 cases	1355	See remarks against item 6.
9	"	(3) Failure to enter transactions with contractors in contractors' Ledger in 7 cases	1868	Requires the attention of the accountant.
10	"	(4) Failure to execute agreements with piece-workers in 6 cases		10. It seems a question whether, in the case of piece-work properly so called, any written agreement is necessary. The question will be taken up in connection with the subject of contract forms now under consideration in communication.

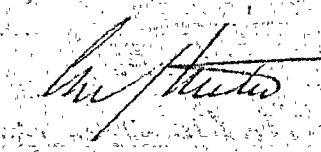
Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
				10. (Contd.) communication with the Government Solicitor.
11	14 (5)	Transactions with contractors entered in the bill for Piece-workers' Form 14 A, instead of contract certificate form 14 in 9 cases.	1370 used.	11. Accountant should bring such cases to the Executive Engineer's notice and have proper forms.
12	15 (6)	Irregular stamping of contract bonds	12. The opinion of the Government Solicitor has been requested as to the description of stamp required. On receipt of his reply the matter will be submitted for orders.	
13	16	Want of Government sanction to putting a contribution work on hand	1339 now be obtained.	13. The necessary sanction should be obtained.
14	17	Unsatisfactory condition of records	14. The Executive Engineer has taken this matter up.	
15	18	Incomplete state of work abstracts	1758 15. Part III of the work abstract should be completed when there are any arrears to be recorded.	
16	19	Details of charges to the same sub-head for work done by more than	16. Accountant should see that the	

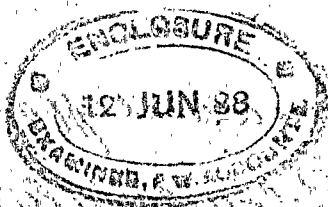
Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
16 (Could).	19	thaw one contractor not entered in work abstract		16 (Could). the work abstract is posted in proper detail.
17	20	Irregular debit to contingencies of a work		17. The circumstances under which the construction of the shed was permitted under case of a repair estimate, seems to require explanation. The cost of the shed is not stated.
18	21	Failure of accountant to sign a work abstract		18. Accountant should attend to this.
19	24	Unnecessary copying of a contract certificate in the work abstract of a certain work		
20	25	Failure of a contractor to complete a work within the stipulated time		20. Code para 1368 requires officers to strictly enforce the terms of contracts. It is not stated whether any penalty was enforced.
21	27	Delay in posting the contractors' Ledger		21. Should be attended to by accountant.
22	28	Failure to compare measurement lists with measurement books when opportunity offers		22. There is no rule requiring comparison of measurement sheets and measurement books. It is for Government to say whether such

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
22 (Could).	28	offers, and delay in cancelling measurements for which bills have been prepared.		22 (Could). a check should be exercised. I am inclined to think that occasional inspection of measurement books with a view to seeing whether they give indications of recording bonafide measurements as taken on the spot, is all that is required.
23	29	want of attention to the rules in Code para 1367 regarding monthly measurements.		23. This subject is being separately considered, See G. O. No 3130 1367, dated 19 November 1887.
24	29	In sufficient check of bills paid by Sub-Divisional Officers in the Executive Engineer's Office		24. Should be attended to by the accountant.
25	30	In sufficient audit in the Executive Engineer's office of work abstracts prepared by Sub-Divisional Officers, and date of receipt not entered on them.		
26	32	Failure to enter certain known liabilities		

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
26 (Could)	32	liabilities in the Register of liabilities 1595		26. Should be attended to by the accountant.
27	34	Differences between the consolidated return of Tools and Plant and the sub-divisional returns.		27. The discrepancies should be enquired into. They seem to require explanation.
28	37	Want of separation of <u>Examine</u> Tools on general list		28. The orders referred to by the Inspecting Officer are contained in G. O. No. 940 W dated 28 th March 1883. This order has ^{never} been codified, and therefore under Code para 5 it is not now binding. It is for Government to say whether they wish the order to be revived.
29	40	Claims of travelling allowances of office lascars drawn up in Tamil on odd bits of paper		29. Forms for use in connection with these claims, will, it is hoped, be submitted for approval in a few days.
30	41	Service books (17) not available at inspection having been sent out for re-attestation by subordinates		30. The Executive Engineer should report after personal inspection, whether the books which were ⁸⁶⁴ not produced at inspection, are now complete in all respects.
31	42	Service books of lascars in many cases only signed		

Item No.	Para. of Inspection Notes.	Irregularity noticed.	Code or other order bearing on the subject.	Examiner's Remarks.
31 (Could)	42	signed by subordinates under whom they are working, and not by Sub-Divisional Officer or Executive Engineer, (doubtful whether such subordinate can be considered the head of the office.)		31. This question will be separately submitted for orders.
32	43	Entries in first page of a lascars' service book, and in another case the appointment, promotion &c not signed by any officer		32. These omissions should now be remedied, and the fact ⁸⁶⁴ reported.
33	45	Want of re-attestation of service books in 2 cases		33. Should be attended to by the Executive Engineer and a report made ⁸⁶⁴ when this has been done.
34	46	Service books not opened out in 3 cases		34. ⁸⁶⁴ <u> </u> <u> </u>

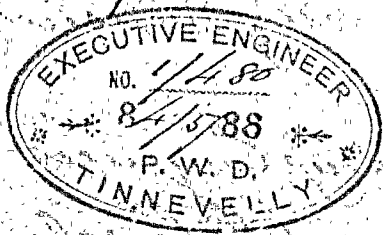
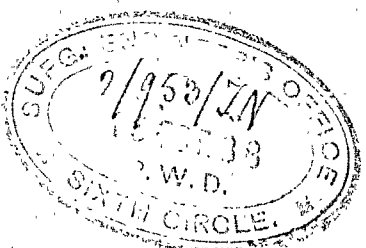

 Major R.E.
 Examiner of Accounts
 Madras.
 29
 1894.



PWC No. 3640
From. 5/333/88 1/155/88

Major. G. H. P. Christie. R.E.
Examined. O. W. Account.
Madras.

- 3207 way 24-11-87
- 3130 way 19-11-87
- 2355 way 2-9-87
- 3087 way 22-11-86
- 940 way 28-3-83



To
The Secretary to Government
Public Works Department.

R. 19. 4. 88
B. No. 1250 way 27-4-88
O.R. 1362 of 18.4.88

Tinnevely Division
Notes of inspection
by H. Raimier, Esquire, of
the office of the Executive
Engineer. Forwards
with the accompanying summary
and remarks for the information
and orders of Government.

5109
14-23/4
way 24/4

No. 822
Tinnevely Division Office
Palacottu to 23 May 1888
Dated 28

From
A. S. Russell Esquire
Executive Engineer
Tinnevely Division
To
The Superintending Engineer
6th Circle.

Enclosures 5

X
herewith
returned.

Sir
With reference to your endorse-
ments No 112 S. dated 30 ultimo
on G. O. No 1250 W dated 27 ultimo,
I have the honor to submit herewith
replies to all points requiring explanation.

2. I beg particularly to draw
your attention to my remarks re-
garding Contracts. In my letters

No. 2026 dated noted in the margin I have already
5th October/87. explained the difficulties met
No. 3453 dated with us this district in placing Contracts
22 Feb/88 and the tendency of certain of the
No. 3198 dated Code rules to answer no purpose
31 Jan/88. except to hamper work. Briefly
these difficulties may be said

but see that the Contract is properly
drawn up, & that we have no know-
ledge of what is practicable in
choosing a Contractor in this district,
viz. accurate information regard-
ing his private means and circumstances.

4. Unless the proposals I
have made, with regard to the
modifications necessary in Code
rules are made, works cannot
be carried out except after much
trouble and delay have been ex-
perienced, for which the Code
rules and not the Executive Engineer
must in future be blamed.

5. May you will clearly
explain to the Chief Engineer, either
by sending on this letter or otherwise,
that, as far as possible, I have
complied with Code rules; that in
no case have I made the smallest
deviation from the methods allowed
for years in this district, by
various

various Superintending Engineers,
in regard to the giving out of Contracts,
except by withdrawing the permission
formerly permitted to sub division
officers of calling for and giving
out Contracts subject to the Executive
Engineer's approval. Any one
reading the Report of the inspecting
Engineer would hardly be aware
of the fact that the practices now
stated to be objectionable have
existed for years without objection
being made.

I have the honor to be
Sir
Your most obedient
servant

A. Russell
Executive Engineer

NR
25/5

do not

No 253 T.N.

Encls: 4

12 JUN 1888
ENCLOSURES
W. ACCOUNTS

Ref: sent No 112 T.N. 30-4-88

Submitted with
its accompaniments to
the Ch. Eng. for the favor of
orders.

2 The orders in the
Case regarding Contracts
are not suitable to the
conditions under which
work has to be executed
in outstations, though
there is no difficulty
in carrying them out
in large towns, as re
gards works at or
near those towns.

3 There is the same
trouble more or less in
all Districts in this Cir
cle, tho' most trouble
is experienced in Tin
nively.

4. I consider the rules
required to be made
more elastic. 31 May
1888

W. Sturndell
Tricks / Supg Eng
1888, 22 Circle

From
The Executive Engineer
Tinnively
To
The Supg Engineer
6 Circle

No 822
Dated 23rd
Despatch 28
Recd
May 1888
No. 24. 65. Wd/ 13 August
Encls: 5

Notes of Inspection by
the Dy. Engineer of the
Office of the Executive
Engineer Tinnively

Submits replies to
points requiring expla
-nation in the
required in G.O. No
4250 W. of 27. 4. 88.

SURG: ENGINEER'S O.
No. 333 T.N.
30 MAY. 88
P.W.D.
SIXTH CIRCLE

ENGINEER'S O.
1/953/2N
150733
P.W.D.

27.4.8.
 24.11.87
 3136W 19.11.87
 2358W 2-9.87
 3087W 22.11.86.
 2167W 14.6.78
 2296C 11-6-88
 No. 2196C of 11 June 1888

P. W. D. 6TH CIRCLE.
 EXAMINED
 No. 1198
 12 JUN 1888
 ENCLOSED

From
 The Superintending Engineer,
 6th Circle.

To
 C
 For favour of
 remarks.

(umy)
 6.6.88

D.W.
 7/6/88

No. 1965 of 25.7.88
 Enc. 3

To W.
 Returned with the follow
 ing remarks:-

2. Item 17 of summary. Code para
 936 lays down that "sheds for
 workmen" is an item to be foreseen
 and separately provided for in
 the estimate. Since it was overlook-
 ed, the cost should not have been
 mixed up with "contingencies", but
 charged as a distinct sub-head.
 Apart from this, all unforeseen
 charges that can be separately
 detailed should be so detailed, the

To
 The Chief Engineer
 P.W.D.

No. 253711.

Dated 31 May 1888.
 Received 4/6/88

Enclosure. 4-3

Notes of Inspection by the
 Dy. Examiners of the Office of the
 Exec. Engrs. Sincerely etc.

Submits for orders
 replies of the Exec. Engrs. to points
 requiring explanation in the
 as required in G.O. No. 1250 of
 27 April 1900

44.6.88
 8.6.88
 R. B.

cost being met from the provision
 for contingencies, but such charges
 are not intended to be treated as
 "contingencies".

3. Item 22. Please obtain
 orders of Government whether any,
 and if so what check is required.

4. Item 34. The Executive
 Engineer might be asked to explain
 the circumstances under which the
 lascars are employed under the
 Tahsildar. They are P.W.D. lascars
 and as such, service books should be
 kept up for them by the Executive
 Engineer. He has promised to do so.

5. Item 24. The question of
 the accountant's responsibility
 for the check of measurement books
 (in this Presidency measurement
 sheets) appears to be settled by the
 Government of India Resolution No.
 225 A. G. dated 21st. Ju. communicat-
 ed with G.O. No. 2161 W. July 1888
 It seems a question whether
 it is practically possible for the
 accountant and his assistants to
 check every measurement, calculation,
 and it might be well to obtain the
 opinions of Supg. Engineers before
 attempting to enforce the ruling.

A distinction might, I think, be made between measurements of bona fide piece-works and measurements of contract works.

6. Items 6, 7, 8 and 20. Items 6, 7 and 8 relate to procedure in calling for and dealing with tenders, and item 20 to the question of enforcing the terms of contracts.

I take them together because they are, I think, intimately connected. As regards the first point, the Executive Engineer alleges that the procedure prescribed in the Code is impracticable, for the reason that to put it shortly, three-fourths of the men who tender are impecunious adventurers without any of the necessary qualifications of a contractor, that really competent contractors can hardly be got to tender, and that the sub-divisional officer is alone able to distinguish the good from the bad.

7. Now, in the first place, it seems to me that if anything is certain to encourage and foster the adventurer class of contractors, it is laxity in enforcing the terms of contracts and a justifiable expectation, that once a contract

has been secured, the rates will be raised, or the terms somehow altered, if the contractor can make out any plausible case; and that steady insistence or substantial security in a shape immediately available, and firm, but not necessarily harsh, enforcement of the terms of contracts, would very soon eliminate this class much more effectually than any process of discretionary selection by subordinates, a process which it can hardly be desirable to encourage.

8. In the second place I would submit that, if the difficulty in securing competent contractors is really as great as it is represented to be, the fact seems to point to the expediency of dropping the contract system altogether. The contract system can hardly be an economical one when there is no genuine competition.

9. In the third place, it seems to me, that if the Supg. Engineer is right, as I venture to think he is, in his opinion (see his marginal remark on page 13) as to the inexpediency of giving out emergent

work on contract at all, then the Executive Engineer's case almost falls to the ground, because the essence of his complaint seems to be that the procedure causes a little delay, which cannot be a very serious matter as regards works not emergent.

10. Lastly I should think that if competent and suitable contractors are so few, it should not be difficult for the Executive Engineer to have the necessary information as to their capabilities and qualifications recorded in his office; the list of such men being added to when necessary, after due inquiry as to any new tenderers.

hmf
9/5/8
C.
Ally
10/5/8

P.W. C. No. 7358

82.4

Recd 26.7.88

No. 2465 W of 13th August 1888

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 13th August 1888

READ the following.

Fromt Suptg. Engr to Circle. H.R. No. 253 J. N. of 31st May 1888.
office note from the Engr. M.O. No. 1965 of 25th July 1888.

The Engineer's Office note will be communicated to the Suptg. Engineer to Circle.

2. The Govt. agree with the remarks in paras 6 to 10.

3. The Engineer will submit separately his views on the subject of paras 3 and 5 of his note, when the opinion of Suptg. Engineers will be called for.

Recd 14/8

To the Suptg. Engr
to Circle
"Engr. M.O." ✓

for 5/8/88

Cr