

Edl (1915) Department.

Mr. SERIES.

G.O. No. 276

DATED 12-3-15

27, 500, 000

[Despatch Abstract.]

Light Railway

Recording papers relating to the proposal made by the Director of Industries to purchase a light railway for the Industrial Department.

①

C 17858A
DEPARTMENT.

Received

191

Registered

4/6/

1914.

Subject.

Light Railway.

Explaining fully the necessity for the purchase of

ENCLOSURES.

No.

No. 396

2-6-14

Spare copies

Station Madras, Dated the 2nd June 1914

From (Name) K. T. B. Tressler, Esq.,

(Designation) Ag. Director of Industries.

To The Secretary to the Government of Madras,
Educational Department.

Sir,

(I) With reference to G.O. No. 604 M.S. dated 25th May 1914, I have the honour to state that when applying for the light railway I was aware of the terms of G.O. No. 1906, Revenue, dated 27th June 1913. But circumstances alter cases. From the first my principal object in applying for a tractor was to use it for ploughing purposes: as however there was a good deal of carting work to be done in Madura I thought it could be used for this purpose also. But since beginning my ploughing experiments I have been overwhelmed with applications from all sorts of people for the use of the tractor and, in view of the demand, I do not

(3)

see how I can keep it hung up in Madura for 1½ years as would be necessary if the machine were used in connection with the building of the institute.

2. When making out a case for the purchase of machinery I explain that all the possible uses to which the machine can be put in order to show that even if one thing fails the machine can still be utilised for another. In the case of the motor tractor the first line - ploughing - has attracted sufficient public interest as to furnish full time occupation for the tractor, so that the second use suggested falls away.

Similarly with regard to the light railway I have suggested Madura as a first line and sugarcane carting as a second.

The Madura work also will furnish full time employment for the light railway for a year and a half and its use for carting cane need not be considered for 1½ years. In these circumstances the report on the proposed alignment of the light railway at Singanallur will not be of much value since the alignment will change every year according to the distribution of the cane crop. As however I have been instructed to submit such a report I am doing so, though since its preparation will take a little time and the Madura work is a matter of urgency I am forwarding the report later.

3. It will appear from what I have said that the light railway will not be available for use with the sugar experiments this season. Without a railway the experiments will not in my opinion prove a practical success, but I do not see how they can prove so in any case during the current year. As I have explained in a special note submitted to Government with my letter No 39-G dated 22nd May 1914, the whole problem of boiling turns round transport and furnaces and until the latter part of the problem is solved (as is not yet the case) the provision of transport facilities alone will not lead to complete success. During the current year I hope to settle the furnace question and with the aid of the light railway (which will be free in about 1½ years' time) hope to solve

the problem completely next season.

4. As I have explained in my previous letter, the saving in cost of carting to be anticipated at Madura through the use of the light railway will ^{practically} ~~really~~ cover the capital cost and if the suggestion of further uses leads to misapprehensions I would request that my case for the light railway be regarded as based solely on the Madura proposition.

I have the honour to be,

Sir,

Your most obedient servant,


AG. Director of Industries.

14

Memo. No 1089 ^{Wag} ₁₃ - 1 of 3-814

Site plan No. 1 showing
the disposition of the proposed
Medura Technical Institute
buildings together with site
plan C. A. $\frac{72}{14}$ is forwarded
to the S. E. VI Arch with the
request that he will submit
at a very early date a
survey of the site with levels
and a detailed estimate
of cost for raising the
est site, in connection
& with the building of
the Institute

To
The S. E. VI Arch
with 2 plans.

14 Memo. sent 31-814

Wag
12.9.14

C. No. 1783 From the ~~Secret~~ 59. No 394 dated 2. 6. 1914.

SUBJECT.

Purchase of a light railway.

- (1) Please see G.O. No. 604 Est. dated 25th May 1914 and the notes with it. Mr. Trencher states that the motor tractor purchased last year is used for ploughing purposes and that ~~that~~ there is ~~also~~ ^{much} too great a demand for its use. He therefore ~~states~~ ^{considers} that the tractor could not be made available for the purposes of the Madura Technical Institute and hence requests sanction for the purchase of a light railway which will first be used in connection with the Madura Institute and latterly in connection with the sugarcane crushing station at Singanailur. He points out that the site acquired for the Institute has to be raised by two feet before building operations can be started. He anticipates considerable delay & expenditure if the ordinary bullock method of carrying earth ^{by means of} bullock carts is adopted in connection with the

Para 5 of an Estimate
lth. page 2 of 2. 604 Est.
25.5.14

earth ^{work} for the new buildings. As ~~there~~ it is desirable that the new buildings should be constructed as early as possible it is for consideration whether Mr. Tressler may not be permitted to undertake the ~~work~~ earth-work with ~~the~~ the help of the light-railway. The ^{first} cost of the railway is expected to ~~amount~~ ^{come} to Rs 22000 and Mr. Tressler considers that ~~this amount~~ the amount required for filling the site ^{by the help of} by country carts would cover the ^{cost} of the railway ^{as well as the working charges} and that no extra expenditure will be incurred on this account. As the railway may be used in connection ~~then~~ with the sugarcane station also ^{after the nature business is over} ~~the~~ the proposal of Mr. Tressler may perhaps be accepted. The P.W.D. may, however, be first requested to state whether they would agree to the proposal, ^{8K} ^{10.6.14} and permit Mr. Tressler to carry out the work. On the decision of this question will depend the necessity for the purchase of the light railway. Mr. Tressler's tender is already before the P.W.D. and they had decided to await the issue of final orders on the

Page 6 of 7 of Mr. 604 ^{25.5.14} (I)

Para 6. page 2 of - (I) (I)

Page 4 of 5 of notes
with J.O. 1579-W
30.7.13 (M)

(Note linked file)
Case no. I

page 2 of notes in notepad
(in the linked file)
Case no. I

(page 7 of estimates)
(in the linked file)

para 5 page 2 of 0.004
15/5/14

plans & estimates for the work. These were subjected to scrutiny in the P.W.D. recently, and in the comparative statement prepared in that connection the estimated cost put down by Mr. Tressler on account of compound wall & site is (viz: Rs 48,200) has not undergone any alteration. It is not known whether this figure would undergo any modification when detailed estimates come to be prepared. This sum of Rs 48,200 includes Rs 24,000 for raising the site by 2 feet. (962,000 cu ft at Rs 25 per 1000 cu ft) In his letter of 22nd April 14, ^(Mr. Tressler) stated 1 1/2 million cubic ft. of earth would be required for raising the site and that the cost of the whole work with the light railway would be Rs 35,500 (22,000 + 13,500) as against Rs 34,000 by carts. In order to consider whether the work could be economically done with light railway, the quantity of earth needed for the purpose will have to be definitely determined, as there are two different statements on the point. The P.W.D. may be asked to consider this question in advance of the others connected with the building of the Institute. A decision in

advance will further enable the giving
 orders for the ^{railway} machinery in time.
 In view of the fact that the Govt will
 be in possession of the ^{railway} machinery after
 the work is over, it seems not an altogether
 unprofitable bargain to go in for the
 light railway even should the lower
 estimate be eventually ~~forced~~ adopted.

CR
12.6.14

Mr. P.W.D. Please say what is
 the amount of earth required for
 raising the site, how much this
 raising will cost, & whether we
 have any remarks to make as to
 the kind of light railway Mr. Pressler
 proposes to purchase; & whether they
 are willing to accept Mr. Pressler's
 contract for this raising?

18/6/14

5.6 of 60. 604 Ead.
 25.6.14

PUBLIC WORKS DEPARTMENT
 G. No. 1089 W. K. S.
 DATE 17.6.1914

Edw 1785-1
 13.6.14

PUBLIC WORKS DEPARTMENT
 G. No. 1044 ACOTE.
 DATE 18.6.1914

O.S. 51.



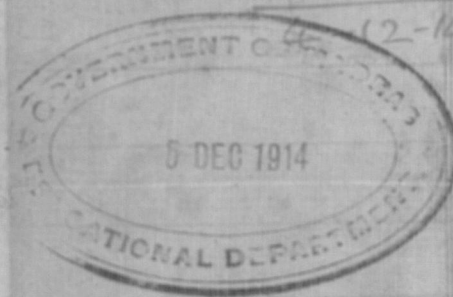
For a copy of the order
please see flag 12

For D.S.

Submitted that the Edl Dept
may be informed that as it has since
been decided with the concurrence of that
Dept that the work should be executed
by the P.W. D, Mr. Fressler cannot be
given the contract for raising the sill
and that therefore his proposal to
purchase a light railway need not be
considered further

JK
30/11.
12/12/14

PW 602637 ⁴⁸/₃ - 1 Edl us.



2/12/14

a draft memo to be
for approval

Educational Department

C 378288

5/12/14

(File in P.W.D.)

vide draft order
flagged (17)

para 7, page 3 of
G.O. No. 60424 (I)
22.5.14

Please see this Dept's note on pages 15 & 16
supra. ~~It is~~ As observed by the P.W.D.,
it has since been decided that the
construction of buildings for the
Madura Technical Institute should
be carried out by ~~the P.W.D.~~ that Dept.
But Mr. Fressler requested in his letter
dated the 22nd April 1914, that even
if the whole work were not entrusted
to

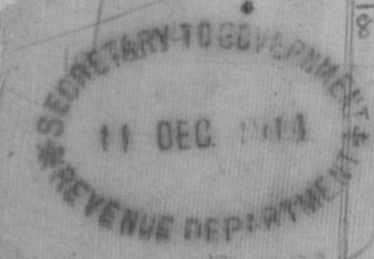
page 2
No. 60458
28.5.14
(I)

a 6, page 3
by. ibid (I)

no. 2+3, not
page 2 of cf.

N. 3230.C
Aug 11.12

no 1785-2



him for execution, at ~~an~~ ^{an} ~~amount~~ ^{amount} for the earthwork in connection with raising of the site level might be given to him. If this request is complied with, he hopes to do the work more expeditiously ~~and~~ ^{with} the help of the light railway. He has also ^{pointed out} ~~stated~~ that the purchase of the railway would not involve ~~any~~ ^{an} ~~additional~~ ^{ex-}penditure in excess of that to be incurred for raising the site with help of ordinary bullock carts. The P.W.D. apparently do not wish to give contract for earthwork to Mr. Dresser. There is then no case for the purchase of the railway for this work. The other ~~and~~ object for which Mr. Dresser ~~proposed~~ ^(railway) ~~the~~ ^{was} to provide transport facilities in connection with the sugar-cane-crushing ^{stations}. ^{(He is however of opinion that the provision of transport facilities alone will not lead to complete success until the fuel problem is solved. The file may, it is submitted, be sent to the} Revenue Dept. for remarks before informing Mr. Dresser that the railway could not be purchased.

SK
8.12.14
Ta
9.12.14

Rev No

10.12.14

To Under Secretary.

In April 1913 Mr. Mesole submitted proposals for the purchase of a tramway for the surface crushing station at Singanailur. When certain difficulties in laying and working a tramway were pointed out to Mr. Mesole he agreed to the working of the mill during 1913-14 without a tramway but stated that crushing cane would not be ~~successful~~ successful unless a tramway was provided.

In G.O. No. 3035 Rev. dt 15.10.13 the Govt. stated that the question of providing a tramway might be raised when the result of the working of the plant during 1913-14 was known. Mr. Mesole was at the same time asked to make a regular enquiry, in the meanwhile, as to how the tram line could be laid in the tract served by the plant and whether the owners of fields would agree to such a proposal. Please see Sir John Atkinson's note dt 13.10.13 at p. 23 of the notes to G.O. No. 3035 Rev. dt 15.10.13.

2. In April last Mr. Mesole again submitted proposals for the purchase of a light railway in connection with the Singanailur experiments but in G.O. No. 6064 dt 25.5.14 he was asked to submit the report called for in the order of 15.10.13. In his report on the working of the Singanailur mill during 1913-14 Mr. Mesole pointed out that the absence of transport facilities prevented ryots from utilizing the facilities offered by the mill. In his letter in the C.F. also Mr. Mesole does not give the information called for

10604 I
25.5.14

at p. 2 of 10607 B
27/14

- A in L.O. No. 3035 Rev., of 15.10.13. He is apparently not prepared to work the light railway in connection with the Suifanallur experiments during the current season. It is submitted that the proposal to purchase a light railway in connection with the Suifanallur experiments cannot be considered until Mr. Messles furnishes the information called for in L.O. No. 3035 Rev of 15.10.13. A light railway is estimated to cost Rs 22,000.

P. 7/11/14
15.5.14

Klu
12.12.14

12.12.14

Sec

I don't think the purchase of a light railway for the sugar cane mill need be considered at present; at the best of times the scheme does not appear attractive.

14.12

The proposal was to purchase a light railway, primarily, for use in connection with the raising of the site of the Madras Technical Institute, & secondarily for the transport of sugar cane. Mr. Messles' contention was that with such a railway he could raise the site of the institute at a cost (including the purchase of the railway) less than the provision accepted for raising the site in the usual manner by men, labour & carts. On 13th June the ^{Exec.} Secretary considered P.O. on this proposal. The file was returned on 5th December with the remark that Mr. Messles could not be given the contract for raising

P. 4
14/12

the site, as P.W.D. & Coast. had jointly decided that the P.W.D. should carry out "the work". The papers relating to this decision are not put up, in their absence it is not possible to say what the discussions dealt specifically with the question of raising the site or whether by "the work" meant the building of the Sectional Embankment. If the phrase ~~connotes~~ ^{has} that larger scope & has no detailed examination of the minor question, I think the latter ought now to be seen. It is really the case that by using a light railway the site could be raised more economically. I think Revenue ought to press for that plan, presenting as it does the advantages of a spinning plant (with no extra cost) which would probably be of use for one sugar-cane experiments. If the support Economy is imagined W. Insides will have to stand ~~de novo~~ & satisfy Revenue that a light railway will pay with the sugar-cane experiments even if it only includes the capital cost of such a railway.

L.D.

15-12-14

H.M.

Box No.	56
Date	15-12-14
	17-12-14

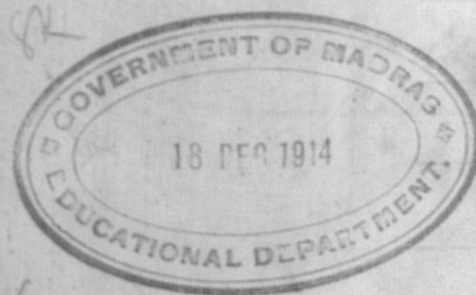
I don't see how we can interfere with the discretion of P.W.D. as to how the site at Madras is to be raised. The P.W.D. has rejected Mr. Trevel's assistance, & I am bound to say I think it

has quite enough irons in the fire elsewhere without undertaking that job. ~~But~~ the light railway may be useful later for sugarcane, but I don't think we shall be able to get the money ~~next~~ year and the PWD has successfully blocked this scheme so long that it is too late to get the railway out & paid for before 31st March 15. In these circ^s, I see nothing for it but to drop the matter for the present.

But the decision is for the Educational Dept to which the file belongs.

Alf
16.12.14

Sp(f) 17/12
Rev. no 3230 C/14-1
18.12.14



Noted in CR

19.12.14

Edncl. no. 8
17.12.14

Educational Dept

para 7, page 3 of
for Mr. Trecker
25.5.14

para 1, page 2 of do.

* A separate file
by Mr. Trecker's proposal
to be given contract
for the collection of
materials etc. for the
new buildings is under
consideration in P.W.D.
SK [initials]
(removed)

Submitted that it is not clear whether the P.W.D. has specifically considered the proposal made by Mr. Trecker that contract for carting earth for raising the site of the new buildings for the Madura Technical Institute should be given to him. What this Dept. agreed to was that the construction of the buildings need not be entrusted to Mr. Trecker but should be undertaken by the P.W.D. itself. This does not affect the question of raising the site with the help of the light railway, which was proposed by Mr. Trecker. As the latter has pointed out that it would take a long time to finish the earth work if it were done with the help of ordinary bullock cart and as it is desirable that the work should be completed as early as possible, it is ^{for consideration whether} ~~is proposed that~~ the P.W.D. may be requested to consider the proposal of Mr. Trecker to raise the site with the help of a light railway. There is, however, no information in this Dept. as to whether ~~at this stage~~ ~~past~~ it will be possible to obtain the

the railway in time for undertaking the work during the current year or whether provision can be made for it in the next year's budget. Before, however, definitely dis-allowing the proposal, it is for orders whether the P.W.D. may not be asked to consider this specifically apart from the general question of the execution of the Institute building work.

22/12/14
P.W.D. for favour of
conf. remarks.

23/12/14

P.W.D.

The words "the work" in para 4 of G.O. No. 2380 W of 7.12.14 refer to the construction of the buildings in connection with the Institute. If the P.W.D. were to carry out the raising of the site also we would undoubtedly use a light railway. We already have 5 miles of it now out in works, and another 5 miles has been ordered from England and will arrive about July. If however Government wish the raising done given Mr. Tressler I shall raise no objection provided his rate is not higher than the P.W.D. could do it for, and provided that he will carry out the work in such a way

23 DEC 1914
PUBLIC WORKS DEPARTMENT

23.12.14
PUBLIC WORKS DEPT.
C. No 3186
DATE: 29.12.14

TT

24/12

as not to interfere with our building operations
or restrict sites for stacking materials, etc

from
12.1.15

P.W no 3186 (W.S. Educational no)

18-1-15



Noted in CO7

20.1.15

page 12 supra

Educational Department

The Chief Engineer observes that, if the
P.W.D were to undertake the raising of the
site of the Madras Technical Institute,
the work would be done with the help
of a light railway. ~~that department~~
~~for the purpose of the railway~~ That Department

do — already possesses the railway. In these
circumstances, this Dept. need not, it
is submitted, press that the contract
for earth work should be given to
Mr. Irescher to enable him to purchase and use the
railway and use it for the purpose.

2. If this is accepted, a light railway
need not be purchased for the Dept.
of Industries immediately.
If, however, it is required for
the

*Cost of the light
railway Rs 20,000.
page 7 of G.O. No 604 (D)
28.1.15

para 3, page 2 of
cf.

the sugar-cane crushing stations later
on, the question may then be considered.
SK 23.1.15. It may also perhaps be possible
that the P.W.D. who have the plant,
may lend it for temporary use for a
sugar cane crushing station, ~~where it is~~
as an experiment, when no use can
be found for it.

CA
23.1.15

Let Mr. Roberts be told
- do - how the matter stands
and asked if he will proceed for
the light railway.

SK
25/1

MR

PUBLIC WORKS DEPARTMENT
C. NO. 310 W. K. S.
DATE 28.1.1915.
SECRETARY TO GOVERNMENT
28 JAN 1915
PUBLIC WORKS DEPARTMENT.

SK
27/1

Eol no 1785-4/1
27.1.15

A draft D.O. is submitted for approval. If approved
it may be sent to P.W.D. for acceptance.
SK 24.1.15. CA 25/1/15

MR
26/1/15

Pls. to do

AS Submitted that the ~~draft~~ ~~proposal~~
~~accepted~~ ~~at~~ ~~the~~ ~~Dept.~~ ~~for~~ ~~the~~ ~~light~~ ~~railway~~

SK 27/1
MR 27/1
AS 27/1
Pls. to do

Draft D.O. accepted, ^{three com.} ~~two~~ signs
alterations

from
6.2.15

P.W. 310 ^{10/15}
6.2.15

Educational up



Educational Department

Submitted that the alterations
may be accepted and that draft
may issue.

CR
8/2/15

[Handwritten signature]

46 20
Educational Department.

D.O. No. 1785-583

16.2.15

Dear Mr. Tressler,

With reference to your letter
No. 39-G, dated the 2nd June 1914,
regarding the purchase of a light
railway, I am to say that the
Public Works Department already
possess such a railway and that, if
the earthwork connected with the
raising of the site of the Madura
Technical Institute is to be carried
out by that Department, it ^{will} no doubt
~~will~~ be done with the help of that
railway.

As regards also sugarcane-
crushing experiments, the Public
Works Department ^{will} ~~may probably~~ be
willing to lend the railway ^{on hire} for
temporary use for a crushing
station ^{if it is not required} ~~when no use can be found~~
~~departmentally~~
~~for it elsewhere.~~ In these circum-
stances I am to enquire whether

47 21
21
you still press for the purchase of the
railway ~~at present~~ as proposed in your
letter.

Yours sincerely,

S.K.
25-1-15.

C.R.
25-1-15.

[Signature]
26/1/15

To

K.T.B. Tressler, Esquire,
Director of Industries.

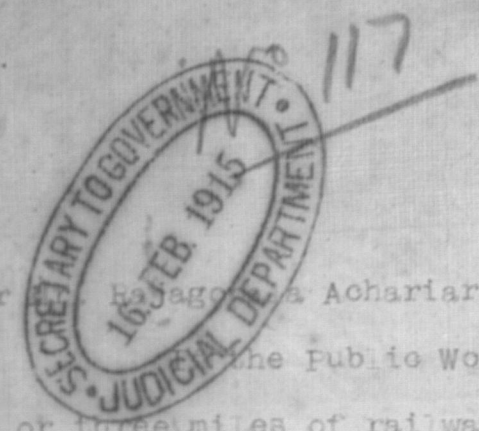
Send
1/2/15 — *Noted in CB*
11. 2. 15

10/1/15

10 2.15

18
Sol C No 567 22
16. 2. 15

D. O.



MADRAS, POST BOX No. 454,
TELEGRAPHIC ADDRESS, "CHROMIUM,"

13th February, 1915.

Dear P. Rajagopala Achariar,

The Public Works Department can let me have two or three miles of railway when necessary, this will entirely meet all my requirements. I was however told by the Public Works Shors some time back that they had not right railway material available.

Yours sincerely,

The Hon. Dewan Bahadur

P. Rajagopala Achariar,

Secretary to Government,

MADRAS.

Educational Department

Please see the Do. to Mr. Treasurer on pages 16 & 17 ~~supra~~ & his reply on page 18 supra. He does not press for the purchase of a railway. No further action is therefore called for on this file & the papers may, it is submitted, be 'recorded' after perusal by the P.W.D.

8K
19.2.15

19.2.15

P.W.D. for perusal Uo

22/21

PUBLIC WORKS DEPARTMENT

C. No 621 W.K.D.

DATE 25.2.15



Colno 607-1

23/2/15

DS

Submitted



P.W. 621 Uo Uo

6.3.15

Shankar

6.3.15

17/5
24/2

(24)

Est Dept

A draft order recording the papers
is placed below for approval.

84
8.3.15.

9.3.15

[Handwritten signature]
[Handwritten initials]

(25)

READ AGAIN G.O. No. _____, dated _____ 191

" " " " _____, " _____ 191

READ ALSO:-

C. No. 1785/14 From the D.I. _____, No. 399, dated 2.6. 1914

" " 5-67/15 " D.I. _____, " - , " 13.2. 1915

" " _____, " _____, " _____ 191

ORDER.

Mis

No. 276, dated 12-3 191

Records.

SK
8.3.15

CA
9.4.15

[Handwritten signature]

[Handwritten signature]

[Handwritten initials]

13315

Copy to the D.I.

P.V.D.

With extracts from notes

Put note on paper
+ note on paper to be
of note file

26