(1) பக்கங்களின் எண்ணிக்கை 32

(2) புதுக்கித் திருப்பிய நாள் 1/54

(3) ஆதாரங் குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P W துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 381

அச்சகம்
பலவகை

நாள் : 11-2-1893 . 199

17

மடிக்கவோ கண்டபடி கையாளவோ கூடாது.

ஆவண. கா. 1—18,006—6-9-90.

11th February 1893, No. 381 W., Public Works.

381/

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper :—

Note by the Acting Chief Engineer, Public Works Department, dated 1st February 1893.

Order—dated 11th February 1893, No. 381 W., Public Works.

His Excellency the Governor in Council considers that the Acting Chief Engineer has shown sufficient reasons for continuing, for this year at all events, the fever-season "recess" hitherto allowed in connection with No. I Periyár division and empowers the Acting Chief Engineer to arrange for it in the usual way.

2. Next year the matter should be again submitted for the orders of Government.

(True Extract.)

Major, R.E.,
Under-Secy. to Govt., P.W.D.

To the Superintendent of Works, Periyár Project.
" Chief Engineer for Irrigation.

Exd. C. A. Munisawmy.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated February, 11th.

Recd. *Encl.*

G.O., 11th Feb. 1893, No. 381 W.

FEBRUARY.

Periyar Project

Recess.—The Acting Chief Engineer empowered to arrange for the continuance for this year the — hitherto allowed in connection with No. I Periyár division.

36/2

Para 14 of ~~letter~~ Progress Rept. of Aug/92 from the Superintendent of Works No. I Periyār Division No. 170 C.E. d/27° october 1892.

Recess.

In his notes on the Progress Report for last Recess, the Chief Engineer made the following remarks "The numbers of workmen employed and the amount of work done during the recess have been steadily increasing year by year since the works were begun and it should be seriously considered whether it is any longer necessary to stop regular work at the Periyar during this period" and in his note on the Progress Report for July he again refers to the matter and the undersigned was called upon to submit his views on the subject. This was done

those views being that while every effort should be made to continue the work throughout the day ~~whether~~ together, a recess of some kind was absolutely necessary for the health of both staff and labour. These views have however been entirely ignored by Government and in G.O. No 817 I dated 3 October 1892 all formal recess is abolished and instead thereof every officer and subordinate is to be "allowed to take such privilege leave as may be due to him during the period from 1st May to 31st August", and "in the event of any member of the staff having less than 6 weeks privilege leave to his credit under ordinary rules the Chief Engineer will arrange for his temporary transfer on duty for such period as the circumstances of each case may require" – that is to say that, while the
rest

rest of the Department can take privilege leave throughout the year, the staff employed in this exceptionally unhealthy tract can only take it between May 1st and August 31st, and if they have none due to them, they may be transferred, after 10½ months exceptionally hard work under trying conditions, to a Division in the plains of which they know nothing, their places being taken at Periyar by officers equally ignorant of the work before them, and therefore useless for the 6 weeks of their stay. The only reason given for this order is that more work was done during last recess than ever before and the staff of the Project has therefore been made to realise, in the cruellest possible manner, the fact that the increased energy thrown
into

into such operations as were possible during last recess, has been made the excuse for depriving them of the annual boon of a recess which is as necessary now to their health as it ever was. The fact that more work was done last April, May and June does not deprive the place of its unhealthy character, or make it one whit less dangerous to live in throughout the year, and as a matter of fact, all those who remained at Periyar last recess were stricken with fever and have all refused to remain there next year. The undersigned therefore earnestly begs for a reconsideration of this cruel order, and requests that the question of the time and duration of the recess may be left in his hands. He has not shewn such disregard for the interests of this work

work

work since he took charge of it as to render it probable that he would do anything avoidable to prejudice it. No one, not living on the spot and not responsible for the health of the staff, which means the continual progress of the work, can have adequate knowledge of the necessities of the case, and the undersigned has lately had in his own case the most convincing proof of the dangers of the climate, in a severe attack of fever, a repetition of which would send him home an invalid. He therefore humbly begs that G.O. No 817 I may be cancelled and the question of next recess left to his discretion.

Signed
W. B. de Winton

P. W. Dept.

Not to be printed or copied under W's orders.

381/3

Copy herewith

Note by the Chief Engineer P. W. Dept.:—

Para 14 of the Progress Report of Periyar No. I Division for September 1892 dealt with the question of the "recess" hitherto allowed to the staff of that Division. In the orders* on that Progress Report it was said that the question would be considered separately. I deferred dealing with the matter till I could make enquiries and observations on the spot; I have now done this.

× G.O. No. 1000 I d/28. 11. 92

2. The opinions of all those who know the locality are unanimous to the effect that from

Except Col. Pennycuick apparently, who knew at least as much about the work as any one.

W.s

the end of March to the setting in of the S.W. Monsoon rains, the place is far more feverish than at any other time of the year and that the malaria then prevalent is so virulent that residence in the place would certainly result in serious injury to the health of the staff.

3. There might of course be circumstances when it would be necessary to sacrifice the staff to some extent, when the safety or even the progress of the work would outweigh other considerations, but after most careful enquiry — I am convinced that such is not now the case.

4. On the score of

safety of the work, the presence of the staff during the period under consideration is no more necessary than it was last year, the arrangements then sufficient will, with some modifications to suit altered conditions, now suffice; nor would the evil results likely to follow a change in the practice which has hitherto been followed, be compensated for by advantages as regards the *progress of the works*, because (a) it seems certain that only a small portion of the labour which the staff now controls could be induced to stay during April and May and part of June. Whilst some branches of that labour would entirely disappear; for instance, it is confidently asserted that not a single carpenter could be induced to stay, and all the labour which will stay may be most usefully employed in collection of materials only. Experience has shewn that actual construction can be carried on quicker than the collection of materials suffices for; that in nine months can be used in actual construction all the materials which it is possible to collect in a year. The work is, and always has been, except just after a recess, carried on from hand to mouth

and it will after a recess devoted to the collection of materials be possible to carry on construction with such extra speed that the progress will soon equal what it would be were there no recess.

(b) There will be a period, estimated at quite 5 weeks, during which the "Workshops" must be idle whilst the water in the lake is being raised from the present vents through which the turbine is supplied to the level of the new ones (+ 41), and during that period the crushing of stone by machinery and the distribution of it about the work by wire rope tramway must perforce cease, and therefore most of the work in the dam be at a standstill.

5. The remarks in the foregoing para, refer to the works at Periyar, chiefly to the "Main dam," not to those at Thekady namely, the "watershed cutting" the "Tunnel", and the "transport of materials from the plains" by the wire rope tramway —

As regards the first of these three there would be some — advantage in going on with the work without interruption because it is advisable to get it finished as soon as possible, and it seems

not improbable that notwithstanding the great unhealthiness of the place and the difficulty about drinking water, the small body of labour which alone can be employed on this work could be kept together.

As regards the last two of the three works named, the wire rope tramway cannot be worked during the recess time simply because there will be no water for the turbine till the rains set in, and for the same reason the driving at the north end of the tunnel cannot be resumed till the end of June.

The tunnel driving at No 2 shaft where the machinery is worked by steam must also come to a stand still probably some time in April, from want of water to supply the boilers and there therefore will be only the tunnel works at its south end where it is carried on by hand which can go on during the period under consideration; on it there can be employed only a few men and it is so slow a process that it can be kept going correctly by two or three short visits of the officer in charge of the work, during the recess

38/9

I have no objection to sanction a recess for this year, as Mr Walch so strongly recommends it. But it must be understood that the question is to be still open and that Col. Pennycuick on his return shall be free to renew his proposal.

Wes
2 Feb.

What I consider the strongest reason of all is that there does not appear to be money for more than 9 months full working - if as much - and I see no necessity for working 12 months at a slack rate - when as much work can be turned out in 9 - working full speed - especially when 3 of the 12 months are likely to knock up the staff. As the water rises though I expect it will be less feverish - but the difficulty about the oney will not, I take it - di

6. I therefore strongly recommend that Government should reconsider its order of 3rd October 1892 No. 817 and that for this year at all events, the arrangements which obtained in former years should be allowed to remain in force.

C. M. Walch
Ag. E.W.

Madras
Febry 1st 1893

No 8179 of 3-10-92 ✓
" 1007-89 - 29-11-92 ✓
" 1000-19 - 28-11-92 ✓
" 5274C - 12-12-92 ✓
" 5464C - 23-12-92 ✓

1

+ Copy herewith -

+ S.O. 1000 J. 28/11/92

38/10

— Note —

(1) Para 14 of the Progress Report of Section No 1 Div: for September 1892 dealt with the question of the "[illegible]" batta to allowed to the staff of that Division. ~~[illegible]~~ In the Orders on that Progress Report it was ordered that the question would be considered separately. I deferred dealing with the matter till I could take experience & observation on the spot; this I have done then.

(2) The opinions of all those who know the locality, planters, officers, natives ~~[illegible] Coolies contractors~~, are unanimous to the effect that from the end of December to the setting in of the S.W. Monsoon rains the place is far more feverish than at any other time of year & that the [illegible] the

provided it is equivalent
that residence in the
place would certainly
result in serious injury
to the health of the staff

(3) There must of course
be circumstances as
when it ~~is~~ would
be necessary to
sacrifice the staff
to a certain extent, when
the safety or even the
progress of the work
would outweigh
other considerations,
but after most careful
enquiry, I am
convinced that such
is not now the case

4 – On the score of safety
of the works, the presence
of the staff during the
period under consideration
is as necessary
than it was last year,
the arrangements
then sufficient will
with some modifications
to suit altered conditions
now suffice – nor
would the evil results
likely to follow a change
in the practice which
has hitherto been
followed, be compensated

381/11

left to the care of [illegible]
[illegible] the water stored
[illegible] the Channel
Cutting [illegible]
& the training part of
[illegible] the
[illegible] by [illegible]
plains [illegible] arranged
[illegible] these the
the first [illegible] zone
[illegible]
[illegible] without
[illegible] the
the [illegible]
[illegible] it is
the [illegible]
[illegible] able
with [illegible] favourable
to get it [illegible] feasible
soon [illegible] improbable
& [illegible]
that notwithstanding
the great unhealthiness
of the place and
the difficulty about
drinking water, the
small body of labour
which alone can
be employed on the
works could be kept
together.

5 As regards the last
two of the three works
named – the wire-rope
tramway cannot be
worked during the
rainy season principally
because there will
be no water for the turbine

till the season sets in and for the same reason the work at the North end of the [illegible] cannot be resumed till the end of June. The [illegible] at No 2 Shaft where the working is worked by 2 [illegible] also cannot be [illegible] till, [illegible] & April [illegible] for want of [illegible] to supply the boilers, & that therefore [illegible] will be only the [illegible] work at the South end where it is carried on by hand which can go on during the period under consideration; but then it can be employed only a few men & it is so slow a process that it can be kept going correctly by two or three short visits of the Officer in charge of the work, during the season.

6 I therefore strongly recommend that Government shall reconsider its order of 3 October 1870 No 8173 that for this year

H-11/385

for by advantageous as regards the progress of the works, because it seems certain that only a small portion of the labour which the staff now control could be induced to stay during April & May & part of June during which time is ~~the unhealthy season~~, whilst ×× [illegible] of that branches of the labour ×× would entirely disappear; for instance, it is confidently asserted that not a single carpenter could be induced to stay; and all the labour which will stay can be most usefully employed in collection of materials only; experience has shown that actual construction can be carried on quicker than the collection of materials suffices for; that in one month can be used in actual construction all the materials which it is possible to collect in a year. The work is, & always has been, greatly

just after a [illegible]
Comes on from [illegible]
to Mouth, & it will
afterwards devolve
to the Collection of
[illegible] to be possible
to Confine construction
with such [illegible] should
that the progress [illegible]
soon, & [illegible] that
it would be [illegible]
[illegible]

(b) These ~~cannot~~ would be
a period, extended
at quite 6 weeks
during which the
Workshops [illegible]
able whilst the water in
the lake is being raised
from [illegible] the present
[illegible] which
the [illegible] is established
to the level of the [illegible]
[illegible] (+41), and during
that period the crushing
of stone by Machinery
and the distribution
of it about the works
by wire-rope tramway
must perforce cease,
& therefore ~~almost~~ most all of the
works on the dam
~~come~~ be at a standstill –

5 The remarks in the
foregoing para. refer to
the works at Periyar
chiefly to the Main dam"

+ [illegible] is crushed
[illegible]

at all [illegible]
arrange
obtained [illegible]
years should
be allowed to
remain in force

Jr. 31/1/93

387/12

Order –

Ht. The Governor in
Council considers
that the Ch. Chief
Engineer has shown
sufficient reasons
for continuing further
year at all events
~~[illegible]~~ the [illegible] hitherto
allowed in connection
with No 1 Periyar but
& informs the Ch. Chief
Eng. to arrange for it
in the usual way.
2 Next year the matter
should be again
submitted for the
orders of Government

Jr.
31/1/93

[illegible]

Genl.
Estabt.

No 381 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

11th February 1893

READ the following

Note by the Ac. Chief Engr. P.W.D. (2/F.E. dd Feby: 1st 1893)

38/13

W
8 Feb.

7/2/93

10 Feb

His Excellency the Governor in Council considers that the Acting Chief Engineer has shewn sufficient reasons for continuing, for this year at all events, the fever-season "recess" hitherto allowed in connection with No I Irrigation Division and empowers the Acting Chief Engineer to arrange for it in the usual way.

2. Next year the matter should be again submitted for the orders of Government

1/2/93

~~(3) His Excellency the Governor~~

(1) The Hon. Sir Henry Stokes, K.C.S.I.

~~(2) The Hon. Mr. J. H. Garstin~~

Resubmitted for initials to the draft order

9-II-93

To,

The S.W. Periyar Project

Ordered ... 11/2/93

" Chief Engineer for Irrigation

Govt. of (1893) Madras.
PUBLIC WORKS.

Dated

Recd. Encl.

G.O., 11th Feby 1893, No. 381 W

Periyar Project

Accts. — The acting Chief Engineer empowered to arrange for the continuance for this year the — hitherto allowed in connection with No. I Periyar Dn.

60/3

9·13/2