

Public Works (1898) Department.

G.O., No.

907 J

DATED

19 Nov 98

Bhavani Reservoir Dam [Despatch Abstract.]

Approving the action of the C.E. for
Immersion in ~~the~~ ^{applying for} the permission of the Sd/- of the
Geological Survey to Mr Holland ^{inspecting} the Site
of the ~~the~~ and directing the J.E. on Special
Duty to have some wells unwatered in due
time.

No.	Department.	Date.	G.O.	No.	Department.	Date.

Bharani Rao was
 born — took over
 the department of the
 Holland of the Geological
 Survey of India to
 inspect the Lake of
 the —

IRRIGATION BRANCH.

from orders

PROCE

UNDER date the

READ the following

✓ Those by the Chief Engr for Migration.
No 291-1817-11-58

The Punjab Govt
approved the appoint-
ment of a Committee
composed of the Chief
Eng, PWD, the Chief
Eng for Irrigation, the
Supt Eng, W Circle, &
Mr Holland of the
Geological Survey of
India, to decide ^{above} ~~on~~ ^{concerning}
the foundation levels
which should be pro-
vided in the estimates
for the proposed
Bhawan reservoir
dam. It was then
hoped to arrange
for Mr Holland's de-
putation on the visit
of the Director to Oot

1000
- 17/11/95

camund. This pro-
posal has fallen
through owing to the
Director not having
~~not~~ visited Ortacamund
as expected. Mr.
Holland has just
gone to Mallon & after
doing his work there
he is to go to Calcutta.
He has informed
the undersigned that
if he gets permission
he could manage
to run down to Cori-
bator provided the
trip from time of
leaving Madras to
returning does not
take more than a
week. The only time
he could come is about
middle of next month.
As it will take some
time to arrange for

getting the wells un-
watered, the Director
has been asked by
wire to allow Mr. Holland
to inspect the site
of the Bhawan reservoir
dam. The Director
in his telegram of the
16th intimates that
Mr. Holland's trip
to Bhawan will be
sanctioned & orders
issued to him accord-
ingly.

2. The approval of
Govt to the action taken
is solicited.

No: 9072 of 19.11.98 Order thereon

Approved.

2. The Supp Engr,
W Corib, will arrange
to have the wells
1000 ft. after the site
referred to unwatered
and some wells at the site
in due time
being investigated unwatered
in due time. The date of the
Committee's visit will be intimated
shortly.

To the Chief Engr IWD ✓
Chief Engr for Irrig. ✓
Supp Engr, W Corib ✓
On special duty,
Bhawan Reservoir
Investigation
Engr IWD ✓
Rev Engr ✓
10/11/98

Public Works (1898) Department.

CURRENT No. 487 m

Telegram

From Geological Supt
Calcutta

Order

No. -

Dated 16 Nov 98

Received 17 - do -

Registered

Enclosures -

Spare copies -

SUBJECT.

Deputation of Mr Holland
to inspect the Bhavani—
States that the — will be
sanctioned and orders issued
to him.

FURTHER PAPERS.

E.I. FORM No. 4-200-9-4-97.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH,

READ the following:—

At the Governor.

FOR ORDERS.

It will be seen from the
enclosed papers that the proposal
to get Mr. Hall and deputed
to inspect the site of the Bhawan
Reservoir fell through owing to the
Director General not having
visited Botacarnund.

visited Beluamund.
Mr. Holland has just gone to
Bellone and after doing his
work there is to go to Calcutta.
He informs me that if he
gets permission he could
manage to run down to
Crimbatore provided the trip
from time of leaving Madras
to returning does not take
more than a week. The
only time he could come is
middle of next month.
As it will take some time to
arrange for getting the mules

CLASS.	INDIAN TELEGRAPH.		Monthly
To	From		
Station	station		
Cable.	Day.	Hour.	Minute.
21	16	15	21
T. (Person)	From (Person)		
Maudas	Geological		
Irrigation			
Hollands Trip to Chavani will be sanctioned and order issued to him			
CHIEF CLERK FOR THE STATION. 17 NOV. 1898 487 M			
TRIPLICANE 16 NO. 98			
RECD. FROM	L. N.	SENT TO	L. N.
A?	Hrs.	Mts. By	A? Hrs. Mts. By
Date	CGP-No. 1006 PO-2 398-1000000.		
Postmaster.			

unwatered I think the matter
will have to be arranged by
telegram and request permission
telegram given below

FOR ORDERS.

from
A.S.H.

14.11.98 W.H.

Telegram (Def?)
20 Director General
Geological Survey
Am directed to ask that
Mr. Holland be allowed to
inspect Site of Bhawan
Reservoir in company
with Engineers and report
on certain questions. He
is willing to come middle
December. Trip will take
within a week

Appd.
A.S.H.
14.11.98

Issue
W.H.
15.11.98

Telegram despd
on 15.11.98

14.11.98 W.H.

14/11/98

FOR ORDERS.

FOR ORDERS.

Office note from the P.W. D., Irrigation,
D. 27. 6. 98 (C. no 4587).

To Under Secy.:

The joint Secretary,
Irrigation Branch, states that
the Govt. has sanctioned the
appointment of a Committee
consisting of three Engineers and
a geologist (Mr Holland) to
inspect the site of the Bhawan
Dam and report on the foundations,
and requests that arrangements
may be made with the Director
General, Geological Survey, for
the deputation of Mr Holland
to sit with the Committee which
meets early in November. In
a D.O. letter from Mr Holland
it is stated that the Director
General will be here in a
week or two to discuss next
season's programme and it is
suggested that the Bhawan Dam
should be included in the
Agenda of subjects which this
Govt. wishes to be taken up.
2. No official communication
has

Recd.

(Initd) F.J.W.

15.7.98.

(Initd) J.C.H.

16.7.98

has been received as regards
the monuments of the Director
General. Submitted that
this current may be one
for consideration when the
Director General arrives.

Mr
Please verify A again. make
enquiries in the Chief Secy;
Mr & talks of the Director
confering with the C.S.

Mr
7-7-98

To Under Secy

The statement has
been verified in
this office and enquiry
was also made in the
Chief Secretariat.

No official communication
as to the monuments
of the Director General
can be traced.

Record
JH
10/7

Record
JH
15/7

Mr
9/7/98

Secy

P.W.D. Magh told that

no official intimation of
the Director General's visit
has reached Govt as yet.

When such intimation comes
care will be undertaken to

include the question of
Holland's deputation in
Bhawanipur project in
agenda

5/10/98

Mr
13-7-98

8/7/98

0
18 4,000-10-7-97.

Revenue (1898) Department.

CURRENT No. 4587

Office Note
From

The Public Works Dept.
(Irrigation Branch)

Order

No.

Dated 27 June
Received 30
Registered 30
Enclosures /
Spare copies.

SUBJECT.

Requesting the Secretary to
Govt. P.D. to arrange, if possible,
for Mr. Holland's deputation
with the Director-General of
Geological Survey of India, who
is expected to visit Calcutta
mund shortly.

2/5
20-6-98 N.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.



Bangalore

June 19. 98

My dear Hughes.

About your reference to the Bhawani dam, I suppose the usual course would be for you to write to the Govt. of India; but as the Director is coming southwards in a week or two, to consult your Govt. about next season's programme, you would probably obtain an earlier reply by putting the Bhawani dam

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PA

G.O.	No.	Department.

on the agenda of subjects which
your port. wishes to be taken up.
As far as I am concerned I
shall be very glad to assist
you as much as I can; but
I hope, if you want a definite
opinion on the foundation in
order to take immediate action,
you will appoint a committee
in which there is an excess
of Engineers, ~~and~~ so that I
may be cross-examined as to
the geological aspects of the engineering

and overruled in case of difference
of opinion. As the subject is
primarily an engineering one, I
should ~~not~~ care to accept only
the responsibility of giving as
much geological information as
you, or the Committee ^{you} appoint,
would require to base your
conclusions on.

My present programme is
to go on 3 months leave from
the 28th July, returning in time
to organize the work for the
three junior officers whom the
Director proposes to send down
for special work under me in

BACK PAPERS.

G.O.	No.	Department.	Date.

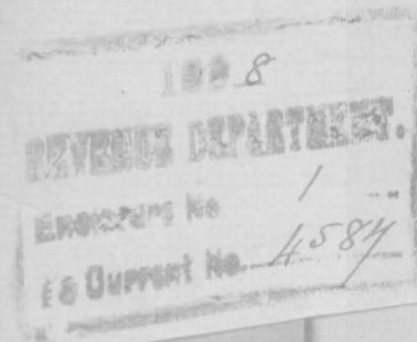
FURTHER PA

G.O.	No.	Department

The Madras Presidency. The details of the work will be settled after consultation with the Chief Secy., and before the Director goes on to Ooty for that purpose I will show him your letter and so prepare him to meet your request when he ~~to~~ arrives.

Yours sincerely,

T. H. Holland.



CHIEF ENGINEER FOR IRRIGATION.

Madras, *Oct 27* 1898.

OFFICE NOTE No.



To	From	Despatch Date.	Receipt Date.
<i>Rev. The Chief Secretary to Govt.</i>	<i>The Joint Secretary to Govt. M.O. Engg. Branch</i>	<i>29.6.98</i>	

KEEP-WITH.

No. , dated 189 .

Government having sanctioned the appointment of a Committee consisting of three Engineers and a geologist (Mr. Holland) to inspect the site of the Kallar Dam and report on the foundations I request you will arrange, if possible, for Mr. Holland's deputation, and the Director General who is expected back to Calcutta shortly.

2. It is proposed that the Committee should meet early in Nov.

A semi-official letter
from the Holland
attached.

W.H.

Joint Secy - P.W.D.
Irrig. Branch.

Read the following:—

Mr. The Governor

Bhavani Project - Appointment of a Committee
to decide on the foundation levels of the -

FOR ORDERS.

It is much regretted that the
Bhavani Project cannot be
submitted to Government this
month as was intended. There
is no chance of getting the Project
sanctioned unless it can be shown
that it will pay over 4 per cent on
the Capital and as the forecasts
received from the Rev. Dept.
show an expected revenue of a little
over 3 per cent from land now
irrigated, and irrigable land interspersed
amongst the irrigated land, it is
found necessary to provide for a
considerable extension of irrigation by
means of new channels. This
subsidiary project is being estimated
for by Col. Smart who has taken
much all the necessary work and
the Rev. Dept. has been asked to make
an estimate of revenue. This and
with the laying out and estimating
for the proposed work will take fully
two or three months.

FOR ORDERS.

At the same time other useful work will be going on. The analyses of limestone and clay show that some of the specimens were good and some bad - the position and area of the good has to be ascertained. For practical purposes analyses are of very little use and it has therefore been arranged to have a series of physical tests carried out at the Engineering College after the holidays.

It will be no easy matter to get sanction all at once for estimates of work a core of ropes. It will be necessary not merely to show reasons for recommending the project but to send it up very complete and if possible so free from weak points as to compel sanction.

Though I am satisfied that the level at which it has been contemplated to found the dam is sufficiently low and the rock sufficiently good, others may not accept my assurance. In fact the examination of a few shafts only enables me to judge roughly at what level the rock will be found suitable. A comparatively slight difference in level would make a large difference in cost. I think it would strengthen the project and make the estimates more reliable if Govt. would appoint a Committee to decide on the foundation level which

FOR ORDERS.

should be provided in the estimates. This is chiefly an engineering question but also a geological question as it will be well to have an assurance that there is no softer rock below that which is visible in the shafts and no possibility of faults such as that which gave so much trouble at the Rengas. As Mr. Holland has already to some extent studied the geology of the locality and also an officer of distinction whose report will be held conclusive I try to suggest that he should be on the Committee. It is understood that he will have charge of the geological work in this part of the country on his return from leave. The Committee might meet early in November. As suggested by Mr. Holland in the accompanying letter his deputation might be arranged for during the approaching visit of the Director to Botacammund.

For the engineering members of the Committee I try to suggest Mr. de Winter and myself. If Govt. desires outside opinion Mr. Walsh might be added. If Mr. Walsh is not on the Committee the Sup^r Engr^r should be -

W.H.
22/6/98

Heath, of such a Committee, composed of Mr. Hargrave, Mr. de Winter, the Sup^r Engr^r and Mr. Holland, is added.

26.6.98

FOR ORDERS.