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(2) Date of repair 10. 11. 38.

(3) Initials of the Referencer CP

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.
on 20/11/60

G.O. No. <u>745</u>	Press Mis.
<u>4442</u>	
Dated <u>12-4</u>	<u>18 60.</u>

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.*

No. 41. Read the following letter from Captain F. H. RUNDALL, Consulting Engineer for the Irrigation and Canal Company, to J. D. BOURDILLON, Esq., Secretary to Government, dated Pater's Garden, Madras, 3rd April 1860, No. 61:—

1. I have the honor to forward copy of a letter, from the Agent, enclosing one from the Board of Directors containing instructions approved of by the Secretary of State for India in Council. The instructions are "To represent to the Government of Madras, the advantages to be expected from entering forthwith on the construction of that Section of the intended works which the Chief Resident Engineer in his Report of the 20th September last, recommended for first operations, viz., the diversion of the water of the Tumbaddra into the Pennair, and the supply of water for irrigating land in the Kundár valley and also upon the construction of such other portions of the entire Project, as may appear after full consideration to be certainly necessary, and be safely carried out without prejudicing the consideration and possible alteration of the Scheme in other respects."

2. The Government have already had laid before them the desirability of the several Sections of the Scheme. In addition to this the Agent refers; *Vide Report on Tour.*
Do. Letter No. 54, dated 9th March, forwarding Chief Engineer's Report of the 21st December 1859.
1st, to the great relief that will be immediately given to the Districts of Bellary and Kurnool, by furnishing the population with money to buy the food which is only to be had at very high prices; 2nd, to the operations of the Company being greatly facilitated by the opportunity afforded of commanding so much labor; and 3rdly, that the salaries of the Establishments now amount to Rupees 10,000 per month and that the members of it should be put to active work as soon as possible.

3. In a professional point of view, the earlier the works are commenced the better. With an abundant command of labor, there is almost sufficient time left now before the setting in of the monsoon to get a small Section of the first 30 miles of Canal cut, so as to allow of some water from the Tumbaddra being conveyed to the valley of the Banawassi this season while all the head works might be built and the material collected for the commencement of the Anicut immediately after the freshes. The Plans and Estimates for the Anicut and head works are now in my Office, only awaiting to be copied fair for submission to Government.

4. As respects the transfer of land noticed by the Agent, I have already stated in my Tour Report above mentioned, that it would be desirable to appoint a special Officer to this duty.

5. The subject of the Mári Tank in Mysore and its necessary connection with the Scheme has likewise been laid before the Government and doubtless has already been disposed of.

6. The works I would recommend to be put in hand at once are the head works and Canal from Kurnool. The cutting through the water shed. The storage of the waters of the Hindri. The connection of the Pennair from the gorge to Kistnapatam, and such portions of the Canal to Bellary for which Surveys and Estimates can possibly be submitted.

7. In addition to all that the Agent has submitted, I would beg to add that I have heard the Collector of Bellary has written to recommend the immediate construction of relief works, owing to the distressed state of the population in the eastern Tálucs and has with that view recommended a line of road in that neighbourhood. The opportune commencement of the Company's works will thus obviate this expenditure of the Government money, and leave it available for some other part of the country.

From F. AGNEW, Esq., Agent Madras Irrigation and Canal Company, to Captain F. H. RUNDALL, Consulting Engineer, Madras Irrigation and Canal Company, dated 31st March 1860, No. 26.

1. I have the honor to enclose a copy of a letter, dated 24th ultimo, from the Board of Directors of this Company. This letter has been approved by the Secretary of State for India in Council.

*Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.*

2. In it I am instructed to "represent to the Madras Government the advantages to be expected from entering forthwith on the construction of" certain portions of our works.

3. The advantages to be derived from the course proposed are already well known to the Madras Government. I need only allude to a few of them in obedience to my instructions.

I. Among many others the failure of the crops in Bellary, Kurnool and Cuddapah, as reported in official Returns rendered to the Chamber of Commerce, makes relief works highly advisable for the alleviation of present distress among the poorer agricultural classes.

II. The high prices of food make it easy for the Company to secure labor during the next few months in large quantities and at cheap rates. The Collector of Kurnool has told the Engineer engaged on preliminary work at Kurnool, that he believes that 5,000 men are available at once for the Anicut. I have reason to believe that thousand, more are available in Kurnool, Bellary and Cuddapah.

III. A Statement which I have handed you this day, shows that the salaries and allowances of this Company's servants amounted in round numbers at the end of February to ten thousand Rupees per mensem. All of these gentlemen will have to be maintained in comparative idleness at this high cost, unless we are permitted to proceed with our work.

4. I will not multiply advantages nor will I allude to the reasons, which, in an Engineering point of view, render immediate action desirable; on the latter point Government will have the benefit of your views.

5. I will merely add in conclusion, that the best of all reasons for our being permitted to act promptly is, that the Shareholders are anxious to secure early dividends, and that in the opinion of the Board of Directors and of all the Officers of this Company in India, these dividends are likely to be postponed and reduced by any further delay.

6. Should you concur in my views, I request that you will suggest to His Excellency in Council to instruct the Collectors of Bellary, Kurnool, Cuddapah and Nellore, to expedite the execution of all forms connected with the transference of the necessary lands to this Company, and to use their influence in every other way, to help the servants of the Company to urge forward the work they have on hand.

7. In the case of land required in Mysore, I would specially request the early Orders of Government. It would materially expedite matters, if you could at once inform me what steps are necessary on the part of this Company before works within that territory can be commenced, and if you would request His Excellency in Council to issue the necessary orders, or to enter upon the negotiations with the officials of that District to secure to this Company similar terms to those now in force in the Madras Presidency between this Company and Her Majesty's Government.

8. May I request that you will be good enough to point out in what way the Mysore Section of the Project is one of the keys of the entire Scheme.

From JOHN WESTWOOD, Esq., Secretary to the Board of Directors, to F. AGNEW, Esq.,
Agent Madras Irrigation and Canal Company, 27, Cannon Street, E. C., dated 24th
February 1860, No. 4.

The Directors having by the Mail which arrived in England on the 21st instant, received intelligence of the painful fact that the inhabitants of the Districts of Bellary and Kurnool are in a state of great distress consequent upon the late failure of rain there, and believing that the construction of portions of their Tumbaddra Project may now be entered upon with advantage to the Company, and thereby considerable relief be afforded by the employment of many of the Native population, they hereby modify their instructions previously sent to you, and the Chief Resident Engineer, to the following extent. You will represent to the Government of Madras the advantages to be expected from entering forthwith on the construction of that Section of the intended works which the Chief Resident Engineer in his Report of the 20th September last, recommended for first operations, viz. "the diversion of the water of the Tumbaddra into

*Proceedings of the Madras Government, Public Works Department,
for the month of April 1860.*

"the Pennair, and the supply of water for irrigation land throughout the Kundár Valley," and also upon the constructions of such other portions of the entire Project as may appear, after full consideration, to be certainly necessary, and be safely carried out without prejudicing the consideration and possible alteration of the Scheme in other respects. In the event of the Government signifying its assent to this course of proceeding, you will give instructions to the Chief Resident Engineer for its immediate adoption.

(True Copies.)

(Signed) F. H. RUNDALL, Captain,
Consulting Engineer for the Irrigation
and Canal Company.

No. 42.

ORDER THEREON, 13th April 1860, No. 745.

The Consulting Engineer lays before Government a letter from the Agent of the Irrigation Company, enclosing one from their Secretary in England, which last gives authority, in consideration of agricultural distress prevailing in Bellary and Kurnool, for the immediate commencement, without the previous transmission of detailed Plans and Estimates, of that part of the general project of the Tumbaddra works which is intended to turn water from that river into the Kundár; and also of such other works, in other parts of the general scheme, as may be determined to be certainly necessary. Captain Rundall represents (paragraph 3) the advantage of a prompt commencement on professional grounds; and specifies (paragraph 6) the works which, he considers, should be first undertaken.

2. The Government have not yet received the Plans or Estimates for any part of the works; but Captain Rundall states (paragraph 3) that those for the Anicut at Kurnool, and the head works of the Channels, are in his office and to be submitted shortly. The Government therefore sanction the immediate commencement of the head works of the channels, and the collection of materials for the Anicut, which latter is not to be built till after the next monsoon.

3. The Government also sanction the immediate commencement of the cutting through the watershed between the Kundár and the Banawássi; and generally of the canal from the Anicut, provided Captain Rundall has fully satisfied himself as to the proposed line.

4. The Plans and Estimates for all these works should be laid before Government for final approval and sanction as soon as possible.

5. The Government are not at present prepared to sanction the other works enumerated by the Consulting Engineer in paragraph 6. They have not yet received any but the most general information respecting either the storage of the water of the Hindri, or the Canal from the Pennair at the Gorge to Kistnapatam; no more in fact than an intimation that such works are practicable and expedient. The last item, viz., such portions of the Canal to Bellary for which Surveys and Estimates can possibly be submitted, is far too vague. The works above sanctioned will employ a large number of laborers; they are very conveniently situated for the western part of Kurnool and the eastern part of Bellary where distress prevails, and are not so far from the neighbourhood of Bellary station but that persons really in want of work can resort to them.

6. As the Kurnool works are now to be commenced, the Government will make immediate arrangements for making over the land required to the Company's Engineer, so soon as it shall have been determined and staked out. Captain Rundall will take measures to have the staking-out done without delay, taking first those parts of the works where operations are to be the soonest undertaken.

(Signed) J. D. BOURDILLON,
Secretary to Government.

N^o 26.

Madras Irrigation & Canal Company

Madras 31st March 1860.

From,

J. Agnew Esquire

To,

Agent M. S. & C. Company

Captain J. H. Studdall

Sir,

Consulting Engineer M. S. & C. Co.

1 I have the honor to enclose a copy of a letter dated 24th Ultimo from the Board of Directors of this Company.

This letter has been approved by the Secretary of State for India in Council.

2 In it I am instructed to represent to the Madras Government the advantages to be expected from entering forthwith on the construction of certain portions of our works.

3 The advantages to be derived from the course proposed are already well known to the Madras Government. I need only allude to a few of them in obedience to my instructions.

I. Among many others the failure of the crops in Bellary, Kurnool, &uddapa

in Mysore, I would specially request the
early orders of Government. It would
materially expedite matters if you could
at once inform me what steps are
necessary on the part of this Company
before works within that territory can
be commenced, and if you would request
His Excellency in Council to issue the
necessary orders, or to enter upon the
negotiations with the Officials of that
district to secure to this Company similar
terms to those now in force in the Madras
Presidency between this Company and
Her Majesty's Government.

8. May I request that you will
be good enough to point out in what way
the Mysore section of the Project is one
of the Keys of the entire scheme.

I have the honor to be &c.

Signed F. Agnew
Agent.

(True Copy)

F. W. Rendall Esq^r

Consulting Engineer for
Irrigation & Canal Company.

P.S. 1860

India

The Madras Irrigation and Canal Company

27 Cannon Street E. C.

24th February 1860.

Sir,

The Directors having by the
Mail which arrived in England on the
21st Instant received intelligence of the
painful fact that the Inhabitants of
the Districts of Bellary and Kurnool
are in a state of great distress conse-
quent upon the late failure of Rain
there, and believing that the construction
of portions of their Tombuddra project
may now be entered upon with advantage
to the Company, and thereby considerable
relief be afforded by the employment of
many of the Native population, they
hereby modify their instructions previous-
ly sent to you, and the Chief Resident
Engineer, to the following extent you will
represent to the Government of Madras
the advantages to be expected from
entering forthwith on the construction
of that section of the intended works
which

Tombuddra

which the Chief Resident Engineer in
his Report of the 20th September last,
recommended for first operations viz:
"the diversion of the water of the Toom
=Buddra into the Pennair, and the
supply of water for Irrigating Land
throughout the Hoondaw Valley; and
also upon the construction of such other
portions of the entire project as may
appear, after full consideration, to be
certainly necessary, and be safely
carried out without prejudicing the
consideration and possible alteration
of the scheme in other respects. In
the event of the Government signifying
its assent to this course of proceeding,
you will give instructions to the Chief
Resident Engineer for its immediate
adoption.

Kundur

Sam Jee

Signed John Westwood

Secretary

(True Copy)

Signed F. Agnew

Agent

(True Copy)

F. W. Russell, Capt.

Consulting Engineer for Irrigation
& Canal Company.

Madras Irrigation & Canal Company
Consulting Engineer's Office.
Peters garden, Madras 3rd April 1860

No 61

From

Captain J H Randall

Consulting Engineer for Irrigation &
Canal Company

To

The Secretary to Government
in the Department of Public Works
Fort St. George

Sir.

I have the honor to forward copy of a letter from the Agent enclosing one from the Board of Directors containing instructions approved of by the Secretary of State for India in Council. The instructions are to represent to the Government of Madras, the advantages to be expected from entering forthwith on the construction of that section of the intended works which the Chief Resident Engineer in his report of the 20 September last recommended for first operations viz^t the diversion of the water of the Toombudra into the Pennair, and the supply of water for irrigating land in the Pondaur valley and also upon the construction of such other portions of the entire project as may appear after full consideration

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Copy in a letter from
of 23rd April 1860-5:12

20 April 60

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Enclosure in a letter from
the Consulting Engineer
for Irrigation & Canal Co.
to Secretary to Government
in the Department of
Public Works, dated 8-3rd
April 1860-82 61-

No 837/60

Copy of a letter from
the Agent of the Irrigation
Company together with one
enclosed from the Board of
Directors, on the advantages
to be expected from entering
forthwith on the construction
of certain portions of the
Company's works, with sug-
gestions for the necessary steps
to be taken thereon

to be certainly necessary and be safely carried out without prejudicing the consideration and possible alteration of the Scheme in other respects."

2 The Government have already had laid before their Report on Jan. 21st the desirability of the several Sections of the Scheme ^{the latter forming a part of the 21st Dec. 59.}

In addition to this, the Agent refers 1st to the great relief that will be immediately given to the Districts of Bellary and Kurnool by furnishing the population with money to buy the food which is only to be had at very high prices - 2nd to the operations of the Company being greatly facilitated by the opportunity afforded of commanding so much labor - & 3rd that the salaries of the establishments now amount to Rupees 10,000 per month & that the members of it should be put to active work as soon as possible.

3 - In professional point of view, the earlier the works are commenced the better. With an abundant command of labor, there is almost sufficient time left now before the setting in of the Monsoon to get a small section of the first 30 miles of Canal cut, so as to allow of some water from the Tornubuddra being conveyed to the valley of the Bowanaspy this season while all the Head works might be built and the material collected for the commencement of the Annicut immediately.

13 immediately after the Freshes. The Plans & Estimates for the Annicut & Head works are now in my Office only awaiting to be copied fair for submission to Government -

4 As respects the transfer of land noticed by the Agent. I have already stated in my Fair Report above mentioned, that it would be desirable to appoint a Special officer to this duty.

5 The subject of the Maisy Tank in Mysore and its necessary connection with the Scheme has likewise been laid before the Government and doubtless has already been disposed of.

6 The works I would recommend to be put in hand at once are the Head works & Canal from Kurnool - the cutting through the watershed - the Storage of the waters of the Hindri - the connection of the Pennair from the gorge to Kistnapatam, and such portions of the Canal to Bellary for which Surveys and Estimates can possibly be submitted -

7 In addition to all that the Agent has submitted, I would beg to add that I have heard that the Collector of Bellary has written to recommend the immediate construction of Relief works owing to the

the distressed state of the population in the Eastern Districts —
and has with that view recommended a line of road
in that neighbourhood. The opportune commencement
of the Company's works will thus obviate this expen-
diture of the Government money — and leave it
available for some other part of the country —

I have the honor to be

Sir

Your most obed^t servant

J. W. Russell Esq^r

Consulting Engineer for
Irrigation & Canal Company

17 Nov 1860
Copy of Govt. Order
No. 1833

Captain J. D. Randall
Consulting Engineer
for Irrigation & Canal
Co.

The Secretary to
Government in
Department of Public
Works.

Dated 31
Received 14 April 1860
No. 145. 16. April 1860
Enclosure One.

Forwards copy of a letter from the Agent
of the Irrigation Co. together with one
received from the Board of Directors,
stating the advantages to be expected
from entering forthwith on the con-
struction of certain portions of the
Company's works and requests
that arrangements be made for
the early transference of required
lands & also information may
be given for the necessary steps
to be taken on the part of the Company
before commencing any work in the Mysore Territory.

Copy in a letter to Capt
J. D. Randall
12th April 1860 No. 23.

Copy with letter to the
Agent of Govt. & Chief
13 April 1860

Noted -

P. 10. G. 19

No. 745

Proceedings of the Madras Government

Under date the 14th April 1860.

Read the following
letter from the Consulting
Engineer for Irrigation and
Canal Company.

Forwards copy of a letter
from the agent of the Irrigation
Company together with one re-
ceived from the Board of Directors
stating the advantages to be expected
from entering forthwith on the con-
struction of certain portions of the
Company's works and requests
that arrangements may be
made for the early transference
of required lands, and also infor-
mation may be given for the
necessary steps to be taken on
the part of the Company before
commencing any work in the
Mysore Territory.

Here under 3 April 1860
No. 61

LG
N. H.

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The Consulting
Engineer lays before Govt a
letter from the Agent of the
Irrigation Company, en-
closing one from their
Secretary in England, in
which last ^{gives} authority is
given, in consideration of
agricultural distress pre-
vailing in Bellary and
Karnool, for the immediate

commencement, without the
previous transmission of
detailed Plans & estimates,
of that part of the general
project of the Tumbaddra
works, which is intended
to turn water from that
river into the Kundar; &
also of such other works,
in other parts of the ge-
neral scheme, as may be
determined to be certainly
necessary. Captain Pen-
dall represents (Para 3)
the advantage of a prompt
commencement on professi-
onal grounds; and ~~the~~ ^{he} ~~specific~~ (Para 6) the works
which, he considers, should
be first undertaken.

2. The Govt have not
yet received the Plans or
Estimates for any part of
the works; but Captain
Pendall states (Para 3)
that those for the Anicut
at

1/11/72
J. H. C.

21
at Kani^{ool}, and the head-
works of the channels, are
in his office and to be sub-
mitted shortly. The Govt
therefore sanction the
immediate commencement
of the head works of the
channels, and the collection
of materials for the
Anicut, which latter is
not to be built till after
the next monsoon.

3. The Govt also sanc-
tion the immediate com-
mencement of the cutting
through the watershed
between the Kundar & the
Banawassi; and generally
of the canal from the Anicut,
provided Captain Pendall
has fully satisfied him-
self as to the proposed line.

4. The Plans and
Estimates for all these
works should be laid
before Govt for final
approval.

approach and ~~and~~ ^{as} soon as possible -

5. The Govt are not at present prepared to sanction the other works summarized by the Consulting Engg, in Para 6. They have not yet recd any but the most general information respecting either the storage of the water of the Anidri, or the Canal from the Pen-nair at the Gorge to Kistnaputam; no more in fact than an intimation that such works are practicable and expedient. The last item, viz. such portions of the canal to Bellary for which surveys and estimates can possibly be submitted is far too vague. The works above sanctioned will employ a large number

number of labourers; they are very conveniently situated for the western part of Karnool and the Eastern part of Bellary where distress prevails; and not so far from the neighbourhood of Bellary station, but that persons really in want of work can resort to them.

6. As the ^{Karnool} works are now to be commenced, the Govt will make immediate arrangements for making over the land required to the Company's Engineer, so soon as it shall have been determined and staked out. Captain Pemball will take measures to have the staking out done without delay, taking first those parts of the works where operations are to be the soonest undertaken.

4 Copies. Consulting Engg for Irrigation
11 " Board of Rivg, N. & C. Company
10 " Chief Engg. B. for information
1 " Secy. to Govt. for information
1 " Ch. Secy. for information
1 " with the Commr.

Dist 24

J. D. A.

Spinalettering
25 April 1860 1823

Works to be commenced
under the direction of the
Sanitation Commission

Public Works 1860 Sept
Pro: of Govt 20th April
(8)

No 745

Pro: of the Madras Govt
21st April 1860

Page 213 of the

From F. H. Pundall Consulting
Engineer for Irrigation & Canal
Company 11th April 1860
inform

Sanctioning the immediate
commencement of certain por-
tions of the Company's works
at Turnool and calling for
Plans and Estimates for all works
also observing that arrangements
will be made for making over
the land required to the Company
Engineers as soon as it shall have
been determined and staked
out.

From the Chief Engr 27.28.
May 1860 - Ch 1318.

No 142