

28
25-3-38

M.R.O. 1-82400-22-11-40 *[Signature]*

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Ans. 8-3-57

G.O. No.	520	Press Mis.
<i>88-84</i> Dated	<i>8-3-</i>	1857.

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 8th March 1859.

No. 88. Read the following letter from Colonel C. E. FABER, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 31st January 1859, No. 7498.

SIR,

I do myself the honor, with reference to Extract Minutes of Consultation of the 13th Instant, No. 122, to forward herewith copy of a Memorandum by the
1 Memo. Superintending Engineer, Southern Circle of P. W., together with his
1 List. Revised List of Works, from which he considers the restrictions imposed
Dated 26th January 1859. by the orders of the Government of India should be removed, and
under his explanations, I recommend that authority be granted for duly prosecuting to completion the several works Lieutenant Colonel Lawford has enumerated.

2. Adverting to the Road from Vencatamarazpett to Royachoty and to that from Royachoty to Poonganoor, alluded to in para. 3 of the orders of Government under reply, I beg to refer to my letter of the 25th Instant, No. 7356, wherein I took the liberty of unreservedly pressing on the attention of Government, whilst reporting on the subject of the construction of certain feeding Roads of the N. W. line of Railway the importance of these communications, they being indispensable to secure the advantages expected from the Railway.

Memorandum from Lieutenant-Colonel E. LAWFORD, Superintending Engineer, Southern Circle; to Colonel C. E. FABER, Chief Engineer, dated 26th January 1859.

With reference to Extract from the Minutes of Consultation, No. 122, dated 13th Instant, I beg to submit a Revised, List of Works, from which I consider the restriction imposed by the order of the 17th July 1857, should be removed.

2. My reason for laying before Government the Lists received from the District Engineers, although curtailed in this Office, was that I could not tell how far the views of the Government of India in stopping all Public Works in 1857 might have undergone change, and my great desire was to obtain sanction for proceeding with some of the more urgent during the *working season* of 1859, seeing the difficulty and danger of such operations when liable to be interrupted by rain.

3. On the first work in this List I need make no remark, as its prosecution seems in accordance with the intentions of Government. Nos. 2 and 3 are for improving parts of one of the most important Roads in the Presidency, viz., the continuation of Trunk Road No. 8, which intersects the Madura and Tinnevely Districts and leads direct to Travancore. Its present state is as bad as possible.

4. No. 4 in Tanjore is a work of Irrigation of the first necessity and so is No. 7, though of no extensive influence; while it seems hardly necessary to point out the extreme importance of Nos. 6 and 8, to give a free discharge to the two streams affected.

5. Nos. 9 and 10 in Cuddapah are purely conservative works and their importance need not be urged.

6. As to the last work in the List, I beg to observe that the necessity of altering the position of the Head Sluice at the Vellaur Annicut was pointed out by me at the time I proposed the reconstruction of the Dam itself (1854), and was fully recognized by the local Officers when submitting the Estimate for sanction in 1857.

7. The work has been stopped after sanction but the urgency of the case is to my mind the same as ever, and the responsibility for any consequences that may result must now rest with the District Engineer.

8. So long as the present Sluice remains, the river must take a course which throws an oblique current on the Annicut, and although it is possible that no immediate danger exists, it is most desirable that the present state of things should not continue longer than is absolutely necessary. It is now too late to urge the actual commencement of the work in the current year, but I do hope that arrangements may be made for preparing materials, so that the Sluice may be re-built early in 1860.

Statement of works from which it is desirable that the restriction should be removed in time for execution in the Current Official Year.

Name of work.	Date of sanction.	Amount of Estimate.	Amount of Bills submitted up to 30th April 1858.	Amount required for expenditure in 1858-59.	Remarks by the District Engineer.	Remarks by the Officiating Chief Engineer.
<i>Salem District.</i>						
1 Bridge over the Vapabuttoo river.	23rd Novr. 1857.	2,040		2,040	Required to keep open the communication between Vaniembady and Bargalore, and between Vaniembady and Tripitoor, see Extract Minutes Consultation, No. 435, of the 19th August, in the Financial Railway Department, containing the Consulting Engineers observations.	
<i>Tinnevely District.</i>						
2 Road No. 4, between Sautoor and Vulchacaraputty.....	30th Octr. 1855.	24,745	11,826	6,000	No. 4, is the main road in the District, and as the portion of the road which is to be abandoned when the new road is completed is in extremely bad order, it is advisable to complete the road as early as possible.	This is the great Southern Trunk Road, a very important Military line, urgently required.
3 Road No. 4, between Gamgoonda and Shadikhan's Chuttrum.....	do.	9,941	5,442	2,500	Do. do. do.	Part of the same.
<i>Tanjore District.</i>						
4 Constructing new Head Sluice to Keertumanaur.....	23rd Novr. 1857.	2,700		2,700	The proper regulation of this supply is urgently required	Absolutely necessary for safety of Revenue.
5 Completing the Coleroon Bridge at Anikaren Chuttrum.....	10th July 1855. 7th January 1859.	63,000	60,739	2,260	Absolutely necessary that the parapets should be built.	Quite necessary.
6 Enlarging Munnyaur Bridge on the road from Sheally to Madras.....	4th March 1857.	2,500		2,500	To increase the waterway and the Roadway.	Absolutely necessary the present Bridge being much too small.

7 Under Tunnel for the drainage of 19th Jan'y. 1857.	1,340		1,340	This is much required to save an annual loss of 400 Rupees.	Absolutely necessary the present bridge being much too small.
8 Reconstructing Bridge across Vundiar on the road from Tranquebar and Sheally.	1,470		1,470	The present is a very small Bridge with very inadequate waterway and very narrow Roadway (only 8 feet) the immediate reconstruction is much needed.	Ditto.
<i>Cuddapah District.</i>					
9 Dyke to protect the wet lands of Yaparallah, &c.	3,510		3,510	The necessity for the completion of this Dyke during the present year is pressing and apparent.	Absolutely necessary for the safety of cultivation.
10 Rough stone Apron to the Rala Bridge.	1,070		1,070	The completion of this work is urgently required.	Necessary to protect the Bridge.
<i>South Arcot District.</i>					
11 Completing the road from Porto Novo to the Vellaur Annicut on Trunk Road No. 9.	20,000	6,918	13,082	This road was formed in 1855. It consists of an embankment of cotton soil for almost its whole length of 16 miles, a small portion of it was metalled in 1856-57 and another in 1857-58, but the work was stopped in both years in accordance with the orders of Government, owing to the Estimate for metalling having been sanctioned, no maintenance Estimate has yet been applied for. The part of the road most complained of is about a mile and a half over the Aroogostee Plain near Porto Novo. This part may be said to be absolutely unpassable after heavy rain, and it is the only entrance into the important Town of Porto Novo. Two other portions, each about a mile in length, East and West of Bowgherry are nearly as bad. If the whole of the balance of the Estimate cannot be made available this year the sum of 6,000 Rupees would suffice to metal the worst portion of the road.	Extremely necessary to the amount of 6,000 Rupees.

Statement of works from which it is desirable that the restriction should be removed in time for execution in the Current Official Year.

Name of work.	Date of sanction.	Amount of Estimate.	Amount of Bills submitted up to 30th April 1858.	Amount required for expenditure in 1858-59.	Remarks by the District Engineer.	Remarks of the Officiating Chief Engineer.
12 Road from Yalloor to the Bank of the Vuddavoor.	19th Decr. 1854.	3,346	2,423	923	This road was commenced under the Tahsildar, and little or nothing has been done to it since the 1st May. The road is in an unfinished and useless state. If the small balance of the Estimate is allowed to be expended this year the road may be made passable and can afterwards be improved out of the Local fund. The road will be a very useful one, passing through large villages and a highly cultivated part of the District.	Very much required.
13 Constructing 2 Bridges on the road from Oolundoorpett to Culla-coorchy.	8th March 1856.	12,400	1,641	10,756	Of one of these bridges, the abutments, and two out of the three piers have been built to their full height, and some materials for continuing the work are ready. If both bridges cannot be built this year the completion of the one already so far advanced is highly desirable.	Very much required.
14 Rebuilding Head Sluice and altering the Channel leading from the Vellaur Annicut.	Government 23rd November 1857, No. 2148.	8,050		8,050	Vide accompanying letter from District Engineer, No. 150, dated 19th November 1858.	Vide remarks contained in letter to Government, No. 6301, dated 10th December 1858.

Fort Saint George,
31st January 1859.

(Signed) E. LAWFORD, Lieut.-Colonel,
Superintending Engineer, Southern Circle.

No. 89. ORDER THEREON, No. 520; dated 8th March 1859.

Para. 1. With this letter the Chief Engineer forwards with reference to Extract Minutes Consultation, 13th January 1859, No. 122, a revised list of Works, which in his opinion, should be exempted from the restrictive orders of the Government of India.

DISTRICTS.	No. of works.
Tinnevely and Tanjore.....	7
Cuddapah	2
South Arcot	1
	—10

No.	Work	Rupees.
1,	Bridge over the Vabaputtoo in Salem..	2,040
11,	Road from Porto Novo to the Vellaur Annicut ..	13,082
13,	Bridges on the Oolundoorpett and Culla-coorchy Road..	10,756
14,	Head Sluice and Channel from the Vellaur Annicut...	8,050

2. It is observed that the Budget of 1859-60 provides in the case of ten of the fourteen works inserted in this list, an expenditure, equal to the full amount of the Estimates, or to the balance remaining unexpended from them, in view to those works being completed in the ensuing year. As regards the remaining four works, the Chief Engineer has himself in his manuscript Budget, recommended that their execution should be deferred.

3. The Governor in Council has carefully examined the list. He fully admits the importance of all the works, and thinks it matter of much regret that they cannot be executed without delay; but under the stringent orders of the Government of India on the subject, he considers himself debarred at present from making them exceptions to the restrictive rule.

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

Memorandum

With reference to Extract from the Minutes of Consultation No. 122 dated 13th Instant, I beg to submit a revised list of works from which I consider the restriction imposed by the order of the 17th July 1857, should be removed.

2. My reason for laying before Government the lists received from the District Engineers, although curtailed in this Office, was that I could not tell how far the views of the Government of India in stopping all public works in 1857 might have undergone change, and my great desire was to obtain sanction for proceeding with some of the more urgent during the working season of 1857, seeing the difficulty and danger of such operations when liable to be interrupted by rain.

3. On the first work in this list I need make no remark, as its prosecution seems in accordance with the intentions of Government. Nos. 2 and 3

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are for improving parts of one of the most important roads in the Presidency, vizt the continuation of Trunk Road No 8, which intersects the Madras and Tinnivelly Districts and leads direct to Travancore. Its present state is as bad as possible.

4. No 4 in Tanjore is a work of irrigation of the first necessity and so is No 7 though of no extensive influence, which it seems hardly necessary to point out, the extreme importance of Nos 6 and 8 to give a free discharge to the two streams affected.

5. Nos 9 and 10 in Cuddupah are purely conservative works and their importance need not be urged.

6. As to the last work in the list I had to observe that the necessity of altering the position of the Flood Sluice at the Villaur annicut was pointed out by me at the time I proposed the reconstruction of the Dam itself (1854) and was fully recognized by the local
Official

9
Officers when submitting the Estimate for sanction in 1857. —

7. The work has been stopped after sanction but the urgency of the case is to my mind the same as ever, and the responsibility for any consequences that may result must now rest with the District Engineer. —

8. So long as the present sluice remains the river must take a course which throws an oblique current on the annicut, and although it is possible that no immediate danger exists, it is most desirable that the present state of things should not continue longer than is absolutely necessary. It is now too late to urge the actual commencement of the work in the current year, but I do hope that arrangements may be made for preparing materials so that the sluice may be rebuilt early in 1860. —

Subj. Engr. Office & Circle
Fort Saint George
26th January 1859.

Signed E. Lawford Kentt Holl
Subj. Engineer Southern Circle

To, The Chief Engineer of the
Fort Saint George

True Copy

W. L. S. Colonel
Chief Engineer

2000

the

Copy of a Memorandum
from the Chief Engineer
to the Secretary to Government
Public Works Department
re: the above-mentioned
works for completion from the
revenue orders.

MDCCCXXXIII/59.

1859.

Dated 27 January 1859.

The Secretary to Government
Public Works Department

at
The Chief Engineer

Enclosure in a letter

Statement of works from which it is desirable that the restriction should be removed in time
for execution in the Current Official Year.

Name of work	Date	Amount of Bills submitted required up to for ex.	Sanction Estimate	Remarks by District Engineer	Remarks by the Officiating Chief Eng.
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Salem District.

1. Bridge over the Vapabattur river 23 rd Nov 2040	2040	1057	2040	Required to keep open the communication between Vaniembady and Bangalore and between Vaniembady and Triplicator, see Gen. Mins. of Govt. No. 435 of the 19 th August in the Financial Railway Department con- taining the Consulting Engineers' observations.	
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Name of work	Date of sanction	Amount of Bill required	Remarks by the District Engineer	Remarks by the Officer in Charge

Tinnevely District.

2	Road No. 4 between Sauton and Vilechavaputhy	20 th Oct 1855 24,745	11826	6000	This is the great of the road which is to be in Southern Trunk road, abandoned when the new road is a very important completed is in extremely bad Military line in order, it is advisable to complete gently required. the road as early as possible.
3	Road No. 4 between Sauton and Chadiathan Chittam	20 th Oct 1855 24,745	11826	6000	

Tanjore District

4	Constructing new Canal since 23 rd Nov 1854 to Perummanur	23 rd Nov 1854 2,500	5,442	2,500	Part of the same
5	Completing the Coleroon Bridge at Bukaran Chittam	23 rd Nov 1854 2,500	6,300	6,300	2260
6	Enlarging Munnayur Bridge on the road from Healy to Marra	23 rd Nov 1854 2,500	1,340	1,340	2,500
7	Under Tunnel for the drainage of Kodicham Pichary village	23 rd Nov 1854 1,340	1,340	1,340	2,500

8	Constructing Bridge across Tundalur on the road from Ponnambur and Healy	23 rd Nov 1854 1,340	1,340	1,340	2,500
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Remarks by the
Officiating Chief Eng.

Remarks by the
District Engineer

Amount
of Bill's required
submitted for con-
sideration in 1857/58

Date
of
Sanction Estimate

Name of work

Cuddalore District.

1 Dyke to protect the
wet lands of Gaper.
allad 1857

3510

3510

The necessity for the
completion of this Dyke for the safety
during the present year is pressing and
apparent.

11 Rough stone apron
to the River Bridge

1070

1070

The completion of
this work is urgently necessary to pro-
tect the Bridge

South Arcot District

This road was formed in
1855. It consists of an
embankment of cotton soil
for almost its whole length
of 16 miles, a small portion
of it was metalled in 1855/57
and another in 1857/58,
but the work was stopped
in both years in accordance
with the orders of Govern-
ment, owing to the esti-
mate for metalling having
been sanctioned no main-
tenance estimate has yet
been applied for. The part
of the road most completed

11 Completing the road from
Corto Nore to the Tel. 25th Jan 20,000 6918 13082
our Account on Trunk 1856
road N. 9.

to Govt. Very
Extremely necessary
to the amount of 6000000.

Name of work	Amount of Bills required submitted for ex- amination		Amount of Bills required submitted for ex- amination		Remarks by the District Engineer.	Remarks by the Offg. Chief Engineer.
	Date	Amount	Date	Amount		
Road from Gailoor to the Bank of the Maddur	19th May	3346	24th May	923	This road was commenced under the supervision and little or nothing has been done to it since the 1st May. The road is an un- finished and un- small balance of the estimate is allowed to be expended this year the road may be made payable and can afterwards be im- proved out of the local funds. The road will be very useful one passing through large villages and a highly cultivated part of the District.	Very much required
	12th	3346	24th	923		

is about a mile and a half over the Argootee plain near Porto Novo. This part may be said to be absolutely impassable after heavy rain, and it is the only entrance into the important town of Porto Novo. The other sections each about a mile in length, East and West of the river are nearly as bad. If the whole of the balance of the estimate cannot be made available this year the sum of 6,000 Rupees would suffice to metal the worst portion of the road.

Name of work
 Date Amount of Bills required
 of submitted for expen.
 up to date in
 Laverton Estimate 30th April 1858/59
 1858.

Remarks by the
 District Engineer.

Remarks by the
 Chief Engineer.

13 Constructing 2 bridges on
 the road from, Colun. 8th March 12,400 1644 10,756
 Longfield to Cultermore by 1858

Of one of these bridges, the
 abutments, and two out of the
 three piers have been built
 to their full height, and
 some materials for con-
 tinuing the work are
 ready. Of both bridges
 cannot be built this
 year the completion
 of the one already is
 far advanced is highly
 desirable.

Very much required.

14 Rebuilding Road chaise and altering the Gran. nel leading from the Del. bar Amicant	Govt 23 rd Nov ^r 1857 12,248	8050 " 8050	Vide accompanying letter from District Eng ^r N ^o 150 dated 19 th November 1858.	Vide remarks contained in letter to Government N ^o 6201 dated 10 th December 1858.
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(Signed) C. Lawford Lieut^{nt} Colonel
 Chief Eng^r Southern Circle.

For the Gov.
 31st January 1859

(True copy)
 A. P. Foster Colonel
 Chief Engineer.

N^o 7498.

Central Office of P.W.
Fort Saint George
31 January 1859

From
The Chief Engineer

To
The Secretary
to Government P.W.

Sir,

Public
No. 122
1859

dated 26th January 1859

I do myself the honor with reference to Extract Minutes of Consultation of the 13th Instant, N^o 122, to forward herewith Copy of a Memorandum by the Superintending Engineer Southern Circle of P.W. together with his revised list of works from which he considers the restrictions imposed by the orders of the Government of India should be removed, and under his explanations, I recommend that authority be granted for duly prosecuting to completion the several works Lieutenant Colonel Lawford has enumerated -

2. Adverting to the road from
Venkataramarajpett to Romachoty and to that
from

Enclosure in a letter
from
the Chief Engineer
to
the Secretary to Government
dated 26th January 1859
N^o 7498
000233/59
Copy of statement of
works from which it is decided
that the restriction should be
removed in time for execution
in the current financial year.

N^o 7498.

Central Office of P.W.
Fort Saint George
31 January 1859

From
The Chief Engineer

To
The Secretary
to Government P.W.

Sir,

Public
No. 122
1859

dated 26th January 1859

I do myself the honor with reference to Extract Minutes of Consultation of the 13th Instant, N^o 122, to forward herewith Copy of a Memorandum by the Superintending Engineer Southern Circle of P.W. together with his revised list of works from which he considers the restrictions imposed by the orders of the Government of India should be removed, and under his explanations, I recommend that authority be granted for duly prosecuting to completion the several works Lieutenant Colonel Lawford has enumerated -

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Enclosure in a letter
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Copy of statement of
works from which it is decided
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removed in time for execution
in the current financial year.

from Ponachoty to Ponganoor, alluded to
in para 3 of the orders of Government under
reply. I beg to refer to my letter of the 25th
Instant, N^o 7356, wherein I took the liberty
of unreservedly pressing on the attention of
Government, whilst reporting on the subject of
the construction of certain feeding roads of the
N. W. line of Railway, the importance of
these communications, they being indispensable
to secure the advantages expected from the
Railway.

Central Office of P.W.
Fort Saint George
31st January 1850

I have the honor to be,
Sir,
Your most obedient servant

W. H. Colwell
Chief Engineer

1088.

the full amount of the estimates, or to the balance remaining unexpended from them, in view of these works being completed in the ensuing year. As regards the remaining four works the Chief Engineer has expressed himself in his Memorandum that their execution should be deferred.

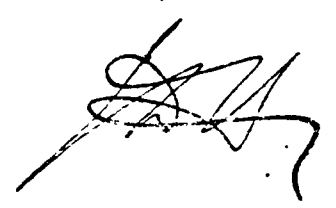
- 1 Bridge over the Talapattin in Soleris Rs. 2,040.
- 11 Road from Porto Novo to the Vallance ancient — 13,082.
- 13 Bridges on the Solundor patt and Sullacorechy road — 10,756.
- 14 Road sluice and channel from the Vallance ancient — 8,050.

Under these circumstances the Government do not see any necessity for the removal of the restrictive orders in order to the several works being undertaken for execution in the current financial year.

The Governor in Council has carefully examined the list. He fully admits the importance of all the works, and

and thinks it matter of much regret that they cannot be executed without delay, but under the stringent orders of the Government of India on the subject he considers himself debarred at present from making them exceptions to the restrictive rule.

10 Copies to the Chief Secy. Dated 10th



6mo 18th Aug 59 1932635.

Public Health 1859 Sept 15.
Cous 8th March.

2/35th

Extracts of Cor.
of 8th March 59.

From the Chief Engineer
8th May 1859 1932635 in

show the Chief Engineer
June 59 1932635 in.

1858 & 59.

Whereas the Government
in the United States of America
desire to prevent from
misleading the revised list of
works which the Chief Engineer
conducted, should be the subject
from the collection is in 1858
by the Government of India
the United States of America
1858 & 59, except the 1858
reduction of the 1858.

8

25th July 1858