M.R.O. 1—77,006—8-8-37.

(1) Number of pages 14

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(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	1272	Press / Mis.
Mis -1857		
Dated	5-6-	1862.

Not to be folded or roughly handled

PUBLIC WORKS DEPARTMENT.
Public.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers:—

Read the following Endorsement of the Chief Engineer, dated Chepauk, 5th May 1862, No. 134.

Endorsement of the Deputy Chief Engineer, Southern Circle, dated Chepauk, 25th April 1862, No. 12,955.

From Captain J. BEAN, District Engineer Malabar, to Colonel W. I. BIRDWOOD, Deputy Chief Engineer, Southern Circle, dated Calicut, 12th April 1862, No. 373.

SIR,

1. I have the honor to report to you, for the information of the Chief Engineer, the state of progress of the Karkur Ghát work, to the present date.

2. The whole line of new trace has been opened out throughout from top to bottom of the Ghát, the few places where rock occurs having been either left untouched or crossed by a temporary road. The line opened from the foot, commencing from the spot where the Karkur river crosses the old road, to the river in the valley at Amballah Vailoo on the top, amounts in distance to 14 miles 3 furlongs and 43 yards, but Nadakany the actual head of the Ghát is 2 miles, 7 furlongs, 164 yards from Amballah Valoo, so that the Ghát trace itself is about 11 miles and 3 furlongs in distance.

3. In the whole extent of Ghát there are three very bad places where rock is met with, 4 miles below Nadkany, about 250 yards in length, and there are several other parts where boulders and sheets of rock are encountered, which will have to be dealt with next year.

4. In excess of the abovementioned distance of 14 miles and upwards, a length of 1 mile 16 yards was opened out, but had to be abandoned on trial for a better line.

5. Four very heavy storms of rain having occurred last month, the jungle became full of leeches, and fever was very prevalent, so that the Coolies could not be induced to remain, and a fair month's work was not obtained from their labour. You will perceive, however, that a large amount of work has been carried out since the last monsoon.

6. Sub-Engineer Bailey and Assistant Overseer Campbell have been suffering from the climate. They have now moved down to Mambat, and the work of opening a new line of road from thence to Nellumboor is now being commenced. We have spent Rupees 14,192 from the sanction of Rupees 16,500 this year for the Ghát.

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1 Original letter, No. 373, dated 12th April 1862.

Forwarded for the information of the Chief Engineer, with reference to Proceedings of Government No. 1,073, dated 10th June 1861.

(Signed) W. I. BIRDWOOD, Colonel,
Deputy Chief Engineer, Southern Circle.

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2 Original letters Nos. 373 and 12,955, dated 12th and 25th April 1862.
No. 4,453, dated 29th August 1861.
No. 7,466, dated 21st November 1861.
No. 8,779, dated 24th December 1861.

1. Submitted to Government for information with reference to the Proceedings of Government dated 10th June 1861, No. 1,173, and in continuation of the communications from the Central Office noted in the margin.

2. It will be observed that notwithstanding the difficulties which has been experienced in consequence of the desertion of Coolies from fever and other causes, the whole line of trace for the Karkur Ghát, road has been opened throughout from top to bottom of the Ghát, and that Rupees 14,192 have been expended from the grant of Rupees 16,500 sanctioned in the Orders of Government above quoted.

3. Great credit, the Chief Engineer considers, is due to Sub-Engineer Bailey and to Assistant Overseer Campbell for the successful accomplishment of the trace within the working season. They are now engaged in opening the new line of road from Mambat to Nellamboor, as directed in the Proceedings of Government dated 26th November 1861, No. 2,179.

(Signed) W. H. HORSLEY, Lieut.-Colonel,
Chief Engineer.

ORDER THEREON, 5th June 1862, No. 1,273.

On the representation of the Chief Engineer, the Government sanctioned, in their Proceedings of the 10th June 1861, No. 1,073, a grant of 16,500 Rupees from the Reserve Fund of the year, for opening out the Karkur Pass and a three feet trace from Mambat to Goodaloor, being at the rate of 300 Rupees a mile for 55 miles of the Ghát in the Malabar District; and in their Proceedings of the 26th November following, No. 2,179, they further authorized a grant of 5,000 Rupees being expended in improving the road between Mambat and the foot of the Karkur Ghát. From the papers now submitted, the Government learn that 14,192 Rupees of the first mentioned grant has been expended in opening out the whole trace from the top to the bottom of the Ghát with the exception of a few difficult places where boulders and sheets of rock were encountered, and which have been left to be dealt with this year. The Government are gratified to find that Sub-Engineer Bailey and Assistant Overseer Campbell have been enabled to accomplish so much, notwithstanding that the rain and fever precluded a fair month's labor being obtained from the Coolies in the last month of the working season. Although suffering from the effects of the climate, Messrs. Bailey and Campbell were, at the date* of the District Engineer's report, engaged upon a portion of the new road, viz., betweeen Mambat and Nellamboor, under the second grant of 5,000 Rupees authorized in Proceedings of the 26th November above quoted.

* 12th April 1862.

(True Extract.)

Lieut.-Colonel,

Secretary to Government.

To the Chief Engineer.
" Deputy Chief Engineer, Southern Circle.

Exd. S T. Augustin.

No 373.

Camden 12th April 1842.

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From

Captain Sadleir

Assist. Surveyor

Camden

To

Chief Mr. Surveyor

Sydney

Sir

I have the honor to report for your information & the Chief Engineer's, that I have this day passed the Nepean & have commenced my operations

2. The primary base of verification has been measured on Narrambine plain with a chain & pegged, the first peg is marked on one side with a stone & on the other with a piece of charcoal & is distant from the first commencing peg on the east side of the Nepean River about 60 links & the second peg is distant from the first 2 miles 7 chains & the second base of verification is 2 miles 7 chains in length & has been measured with a chain & pegged in a similar manner.

3. The Meridional extent of this base is 3 degrees and 5 minutes & it is marked with 4 Miles Stone Numbered from 359 yards in length, and

these

there are several other parts where Boulders and Rock of Rock are encountered, which will have to be dealt with next year.

4. [illegible]

5. [illegible]

6. The Engineer Bridge and Assistant Engineer Completed the Cross sections from the Mainline. Also Cross sections of Roads from Power to Ballinahaw as soon [illegible] commenced. The Levels and Cross Sections from the Junction of Taylors Hill Road as far as the 23rd [illegible]

I have the honor to be
Sir
Your most obedient Servant
Thos Higgins
District Engineer Limerick

A 12955

Forwarded for the information of the Chief Engineer, with reference to Proceedings of Government No 1693, dated 10th June 1861.

No 373
& Enclosure

Secy to Govt Office
Fort Cochin
Cherapunjee
25th September 1862

H. Hamilton Lieut
Dy Ch. Engr Sikkim

To
Lieut Col. R. H. Keatinge
Chief Engineer
Cherapunjee

A 12955

Chief Engr Fort
A 12955 25th Nov
Copy in a letter to Govt
dated 31st October
of 1862.

Chief Engr Fort
A 12955 25th Nov
Copy in a letter to Govt
dated 31st October
of 1862.

Central Office of P.W.
11.5

No 134.

Chepauk 5th May 1862.

2 orig letters 2nds
373+1295 dated
12th 25th Jan 62

No 4453 d/29th Augt 61
No 7466 d/21st Novr 61
No 8779 d/24th Decr 61

Submitted to Government for information with Reference to the Proceedings of Government dated 10th June 1861 No 1073, and in continuation of the communications from the Central Office noted in the Margin.

2. It will be observed that notwithstanding the difficulties which have been experienced in consequence of the desertion of Coolies from fever and other causes, the whole line of Trace for the Narkúr Ghât Road has been opened through out from top to bottom of the Ghât, and that Rupees 14,192 have been expended from the grant of Rupees 16,500 sanctioned in the orders of Government above quoted.

3. Great credit, the Chief Engineer considers, is due to Sub Engineer Bailey and to Assistant Overseer Campbell for the successful

To Govt P.W. No 134 of 5th May 62
Chepauk
Chief Engineer's letter to Govt dated 31st October No 1102.
1862.

Read 28th Nov 1862
No 2955

Forwards for information a letter from the Chief Engineer reporting the completion of the Narkúr Ghât Road and requesting that the balance of the grant may be expended on the Trichinopoly Road.

Successful accomplishment of the trace within the working season. They are now engaged in opening the new line of Road from Mambat to Nellamboor, as directed in the Proceedings of Government dated 26th November 1861 No. 2179.

Central Office P.W.
Chepauk 5th May /62

[illegible] Lieutt Colonel
Chief Engineer D.P.W.

To,
The Secretary to Government
Public Works Department.

[illegible]

Ghat with the exception of a few difficult places where boulders and sheets of rock were encountered, and which have been left to be dealt with this year. The Government are gratified to find that Sub Engineer Bailey and Asst. Overseer Campbell have been enabled to accomplish so much, notwithstanding that the rain and fever precluded a fair month's labor being obtained from the Coolies in the last month of the working season. Altho' suffering from the effects of the climate, Messrs Bailey and Campbell were, at the date× of the District Engineer's report, engaged upon a portion of the new road, viz. between Mambat and Nellamboor, under the second grant of 5000 Rupees authorized in Proceedings of the 26th November above quoted.

× 12th April 1862

7 Copies
To The Chief Engineer D.P.W.
7 Dy Ch. Engr S.C.

Chepauk
6th June 1862

Price Lists 1861 Nos 103-104
" 30 Sept" " 305-306 " "
" 26 Nov" " 318-319 " "
" 9 Dec" " 95-96 " "

Copy in a letter to England
dated 31st October No 180 of
1862

(8)
P.W. 1862 Dept. for June
No: 1 to 4 No 1302

From
The Chief Engineer
To The Secretary to Govt
P.W.D

Dated 5th May 1862.
Rect 6th "

No 1314 E.2.
No 1273 of June
Submitting to
Government letter from
the District Engineer of
Malabar Reporting the
completion of the trace of
the Karkur Ghat.
Written an order

No 114 . 115

26th May 1863

R.2258-1864-1073-

No 1273.

On the representation of the Chief Engineer, the Government Sanctioned, in their Proceedings of the 10th June 1861 No 1073, a grant of 16,500 Rupees from the Reserve Fund of the year, for opening out the Karkur pass and a three feet trace from Mambat to Goodaloor, being at the rate of 300 Rupees a mile for 55 Miles of the Ghat in the Malabar district; and in their Proceedings of the 26th November following, No 2179, they further authorized a grant of 5000 Rupees being expended in improving the road between Mambat and the foot of the Karkur Ghat. From the papers now submitted, the Government learn that 14,192 Rupees of the first mentioned grant has been expended in opening out the whole trace from the top to the bottom of the Ghaut