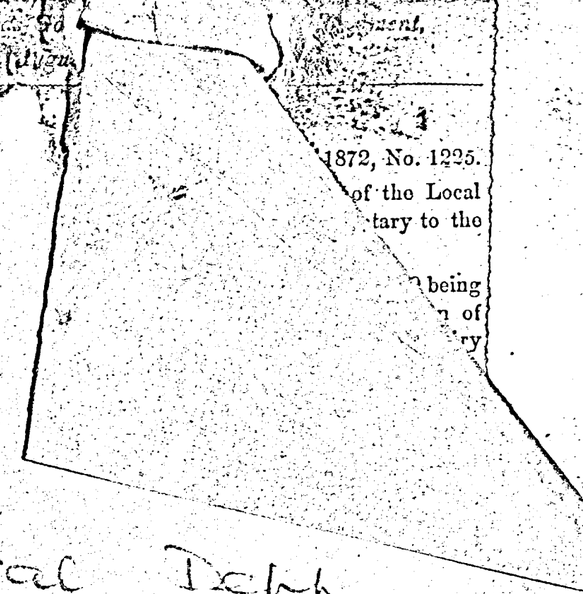


1872, No. 1225.
of the Local
tary to the
being
of
ry

Financial Dept.

Cy. No. 1170 Calls, 19-8-1872

120-123.

Bdle. No. 120 – 123

43/44

Read the following papers:—

No. 120. Proceedings of the Board of Revenue, dated 6th July 1872, No. 1225.

Read the following letter from W. S. FOSTER, Esq., President of the Local Fund Boards, Godavery District, to J. GROSE, Esq., Secretary to the Board of Revenue, dated Cocanada, 25th June 1872, No. 63:—

I have the honour to request the sanction of the Board for Rupees 5,000 being placed at the disposal of the Public Works Department for the construction of the road from Ellore to Vegaveram. The Local Fund Board of the Rajahmundry Circle have sanctioned this amount being transferred from the road from Ellore to Gundagole, No. 17, in the Budget of 1871-72.

2. Provision has been made, in the current year's budget, for this new road for Rupees 10,000. I enclose the estimate, statement of the land occupied, specification and survey, and a letter* from the Superintending Engineer on the subject. You will see from that that it will be well to waste no more time; I, therefore, should be much obliged if you would telegraph to me the sanction of the Board if obtained.

* Copy No. 1133, dated 22nd June 1872.

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Enclosure No. 1.

From Lieutenant-Colonel J. F. FISCHER, R.E., Acting Superintending Engineer, 1st Division, to W. S. FOSTER, Esq., President of the Local Fund Boards, Godavery District, dated Dowlaishweram, 22nd June 1872, No. 1133.

With reference to your letter, No. 68, dated 14th June 1872, I have the honour to forward the estimate† and survey therein called for, for the proposed line of road direct from Ellore to Moondoor *via* Vegaveram, to meet the former proposed line of road from Dendooloor to Kamarapucotah. I request the transfer of funds noted by you, made by the Rajahmundry Circle, may be made as soon as possible to enable me to get on with the work at once, as great delay has already occurred, and we are losing a good deal of the working season.

† Amounting to Rupees 42,700.

1 Survey Book.
1 Abstract Estimate.
1 Specification.
1 Statement of Land occupied.

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Enclosure No. 2.—Survey.

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Enclosure No. 3.—Estimate.

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Enclosure No. 4.—Statement of Land.

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Enclosure No. 5.—Specification.

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The estimate received with the foregoing letter, amounting to Rupees 40,700, for "Constructing a road from Ellore to Vegaveram" (length 8 miles, 4 furlongs, and 77 yards) in the Ellore Circle, is submitted for the sanction of Government.

2. The component parts of the estimate are as follow :—

| | Rs. |
|---|---|
| 1. Earthwork ... ... ... ... ... | 5,140 |
| 2. Gravelling ... ... ... ... ... | 18,990 |
| 3. Turfing ... ... ... ... ... ... | 1,156 |
| 4. Cutting jungle ... ... ... ... | 150 |
| 5. Milestones ... ... ... ... ... | 44 |
| 6. Masonry works ... ... ... ... | 14,540 |
| 7. Compensation for land... ... ... | 2,680 |
| | 42,700 |
| Deduct for iron girder bridge ... | 2,000 |
| | 40,700 |

3. The work appeared in Part I. of the current year's Budget of the Rajahmundry Circle with an allotment of Rupees 10,000, but it was struck out for want of funds. It is again entered with a similar assignment in the revised Budget of the Ellore Circle, which is now before the Board, and which will shortly be submitted to Government.

*Vide* paragraph 39 of Board's Proceedings, dated 17th January 1872, No. 120.

4. No explanation of the necessity for the work is given, as required by Clause 10, No. XXX., of the Local Fund Rules. This omission should be supplied at once.

5. The President states that the Circle Board have authorized the transfer of Rupees 5,000 for the road in question from the allotment for the road from Ellore to Gundagole in the Budget of 1871-72, and requests the sanction of the Board of Revenue to it. The President must be aware that all sums remaining unspent out of the allotments sanctioned for specific works in any one year lapse to the fund at the close of that year. The transfer of Rupees 5,000 cannot, therefore, be effected in the manner proposed by the President.

(True Copies and Extract.)

(Signed) J. GROSE,
*Secretary.*

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No. 121. Proceedings of the Board of Revenue, dated 22nd November 1872, No. 7778 (Miscellaneous).

Read the following letter from W. S. FOSTER, Esq., President of the Local Fund Boards, Godavery District, to J. GROSE, Esq., Secretary to the Board of Revenue, dated Cocanada, 1st November 1872, No. 104.

With reference to paragraph 4 of the Proceedings of the Board of Revenue, No. 1225, dated 6th July 1872, I have the honour to enclose the original letter, No. 70, dated the 22nd ultimo, from the Vice-President of the Rajahmundry Circle, explaining the necessity for the road from Ellore to Vegaveram.



From A. J. STUART, Esq., Vice-President of the Local Fund Board, Rajahmundry Circle, to W. S. FOSTER, Esq., President of the Local Fund Boards, Godavery District, dated Rajahmundry, 22nd October 1872, No. 70.

With reference to Board's Proceedings, dated 6th July last, No. 1225, and in reply to your letter, No. 258, I have the honour to explain that the road from Ellore to Vegaveram is required to carry the traffic of a large part of the uplands of the Ellore Taluq and the country beyond across a belt of low and muddy country, with the town of Ellore, where the merchants live who dispose of it. The produce reaches Vegaveram without much difficulty, but between this village and Ellore a bridged road is much required.

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Submitted to Government in continuation of Board's Proceedings, 6th July 1872, No. 1225.

(True Copy and Extract.)

(Signed) J. GROSE,
*Secretary.*

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No. 122. Proceedings of the Board of Revenue, dated 2nd August 1873, No. 4849 (Miscellaneous).

Read the following letter from W. S. FOSTER, Esq., President of the Local Fund Boards, Godavery District, to J. GROSE, Esq., Secretary to the Board of Revenue, dated Cocanada, 18th July 1873, No. 64.

With reference to the latter part of paragraph 35 of the Proceedings of the Board of Revenue, dated 14th March 1873, No. 379, I have the honour to submit the enclosed copy of the District Engineer's letter, No. 825, dated 13th June 1873, to the address of the Vice-President of the Ellore Circle Board, from which it will be seen that the altered project, referred to in paragraph 35 of the Board's Proceedings above alluded to, was submitted for the sanction of Government with the Revenue Board's Proceedings, dated 6th July 1872, No. 1225.

2. I request that the orders of Government will be obtained on this project at an early date, as the District Engineer has informed me that it is one of the most important lines of road leading into Ellore.

---

From Lieutenant-Colonel J. F. FISCHER, R.E., District Engineer, Godavery District, to E. L. PEARSE, Esq., Vice-President of the Local Fund Board, Ellore Circle, dated Dowlaishweram, 13th June 1873, No. 825.

With reference to your letter of the 28th May 1873, No. 43, I have the honour to inform you that the altered project, therein referred to, was sent in with my letter, No. 1133, dated 22nd June 1872, to the President, and transmitted by him to the Board of Revenue, and this Board submitted the project for the sanction of Government in their Proceedings of the 6th July 1872, No. 1225.

2. At first it was proposed to bring the road from Jungareddigoodem to Dendooloor, and then along the canal bank into Ellore, but as requested in your letters of the 14th June 1872, No. 68 and No. 3, dated 22nd January 1872, and the discussion at one of the Local Fund Board Meetings, the line was brought direct into Ellore from Mundoor *via* Vegaveram.

3. I request you will be good enough to obtain the orders of Government as soon as possible on this project, as it is one of the most important lines of road leading into Ellore and has been frequently asked for.

*Proceedings of the Madras Government, Financial Department,*
*18th August* 1873.

Submitted for the early orders of Government with reference to Board's Proceedings, 6th July 1872, No. 1225, and 22nd November 1872, No. 7778 (Miscellaneous).

(True Copy and Extract.)

(Signed) J. GROSE,
*Secretary.*

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No. 123. ORDER THEREON, 18th August 1873, No. 1170.

The Governor in Council sanctions the plan and estimate for the road from Vegaveram to Ellore.

(True Extract.)

W. HUDLESTON,
*Chief Secretary.*

To the Board of Revenue.
,, Public Works Department.
,, Accountant-General.

Exd. J. Wright.

Board's Rec: of 6 July 1872
N° 1225 about the Road from Ellore
to Vegaveram, is not here. A
search was made for this Paper
when Boards further Rec on the
same subject was received here
on the 23 Nov 72. & it was believed
that the Proceedings in question
with its heavy Enclosures were
among the Papers which Sir Alex.
Arbuthnot handed to Mr. Thl.
W Sim in October last. I have
procured from the Boards Office
a spare copy of the Rec: & which
is sent herewith.

Philip D'Penning

Govt. of 1873 Madras.

FINANCIAL.

To THE BOARD OF REVENUE, &c., &c., &c.

*Dated August*, 1873.

*Read.*

*G. O.*, 18*th August* 1873, *No.* 1170.

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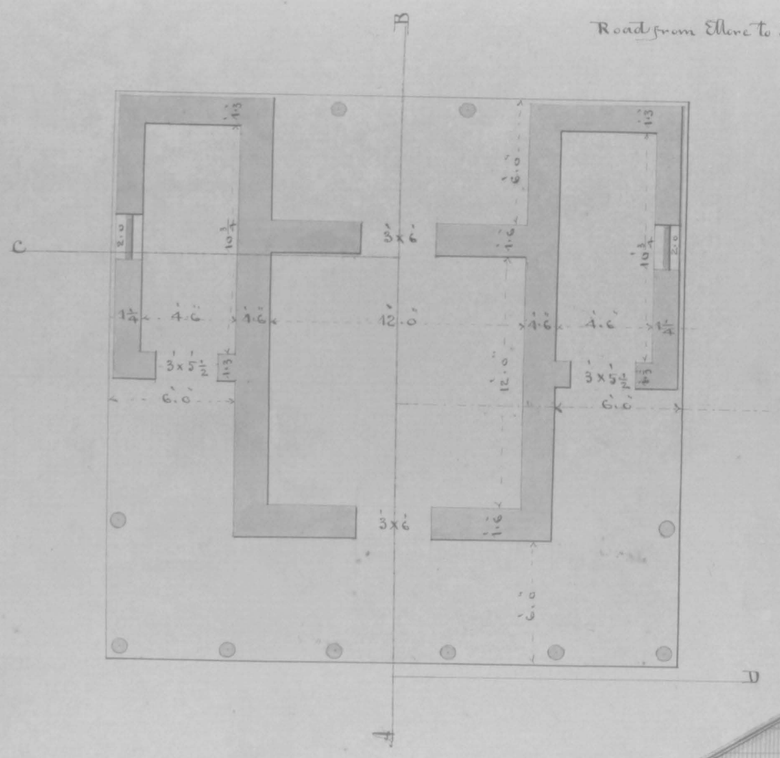
AUGUST.

Nos. 120—12.

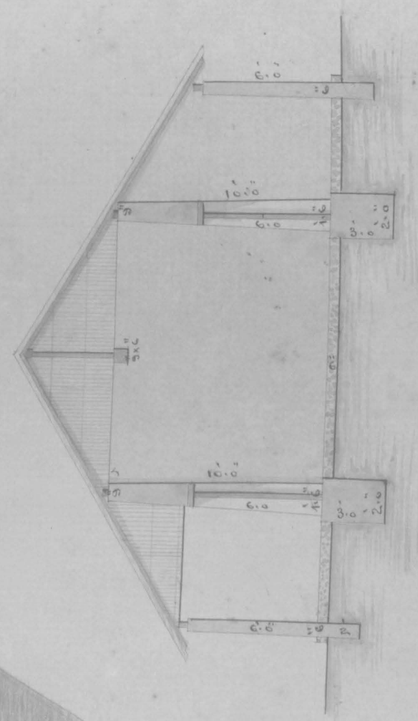
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*Ellore Circle.*—The plan and estimate, amounting to Rupees 40,700, for the construction of a road from Vegaveram to Ellore, sanctioned.

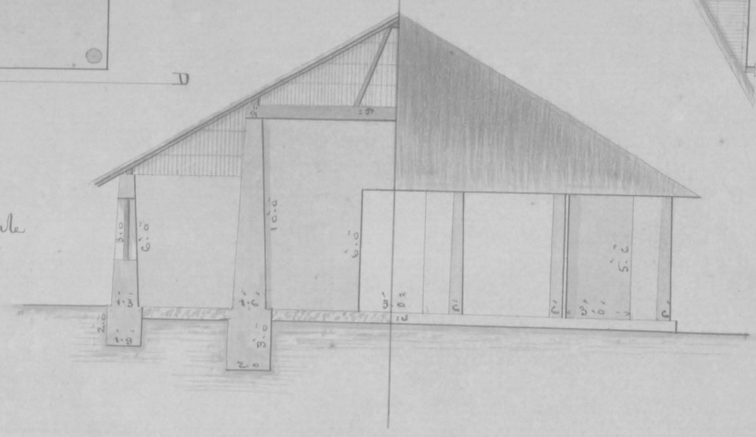
Road from Ellere to Moondoor




Section thro' AB.



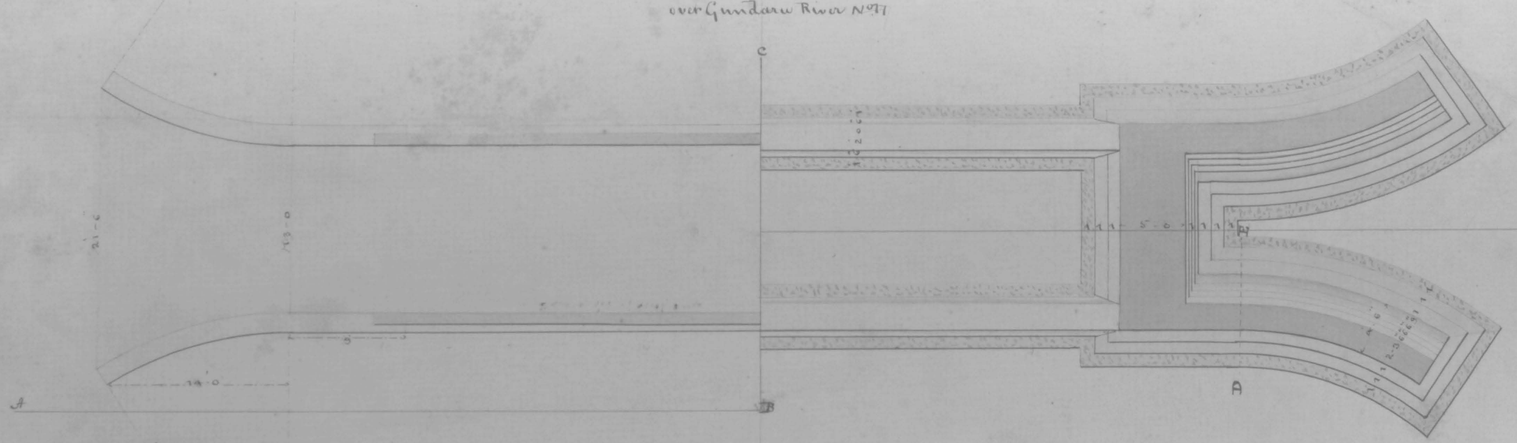

Section & Elevation thro' C.D.



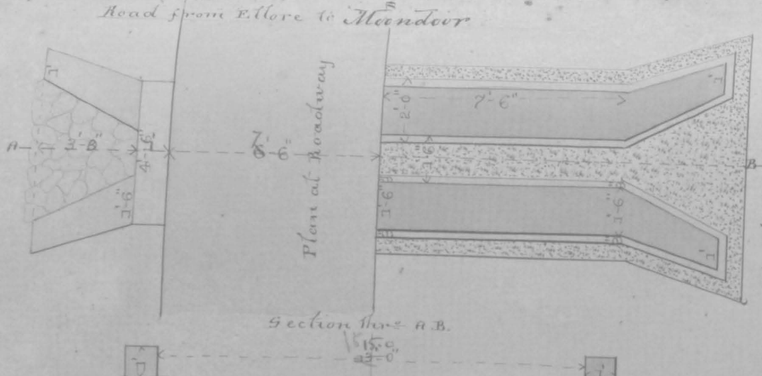
Plan of a stove shed to be built at every 10th mile
" Amount of Estimate Rs 250
scale 6' = 1 inch

Road from Ellore to Moondoor

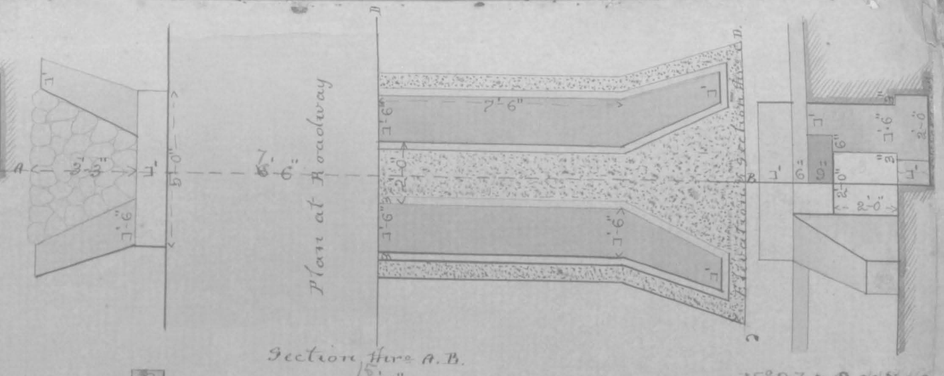
Plan of Iron Girder Bridge over Gundaw River No 71


C
A
B
A
21-6
13-0
14-0
5-0
4-0
2-0
2-0
2

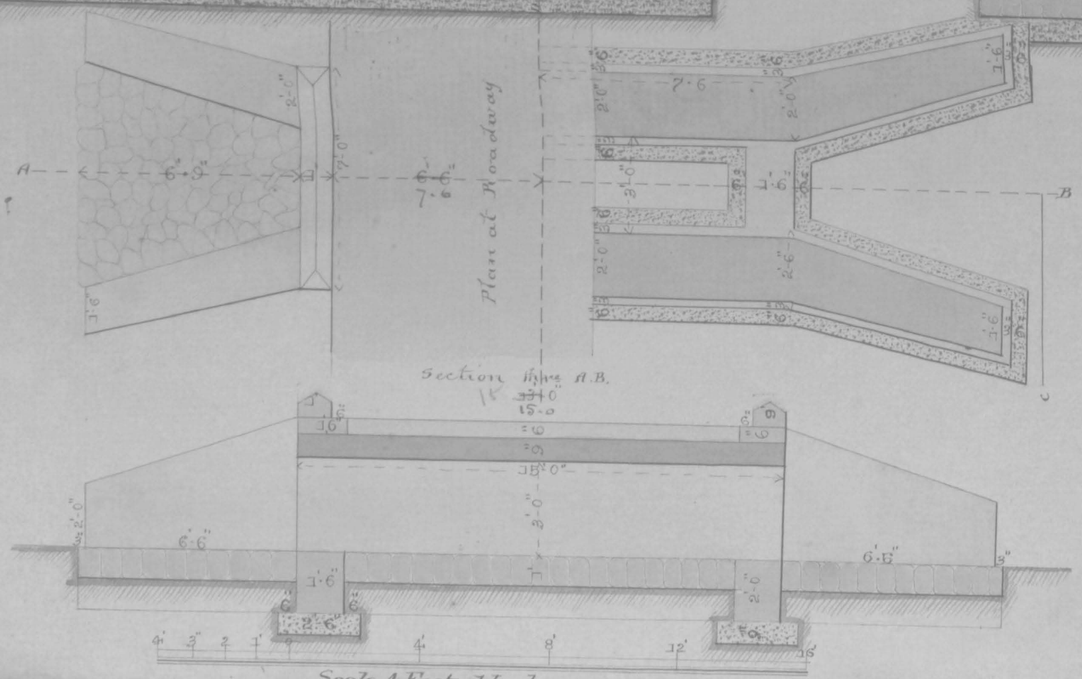
Road from Ellore to Mandoor




N° 9
Plan of a Duct 18 Square
Estimated Cost R° 90



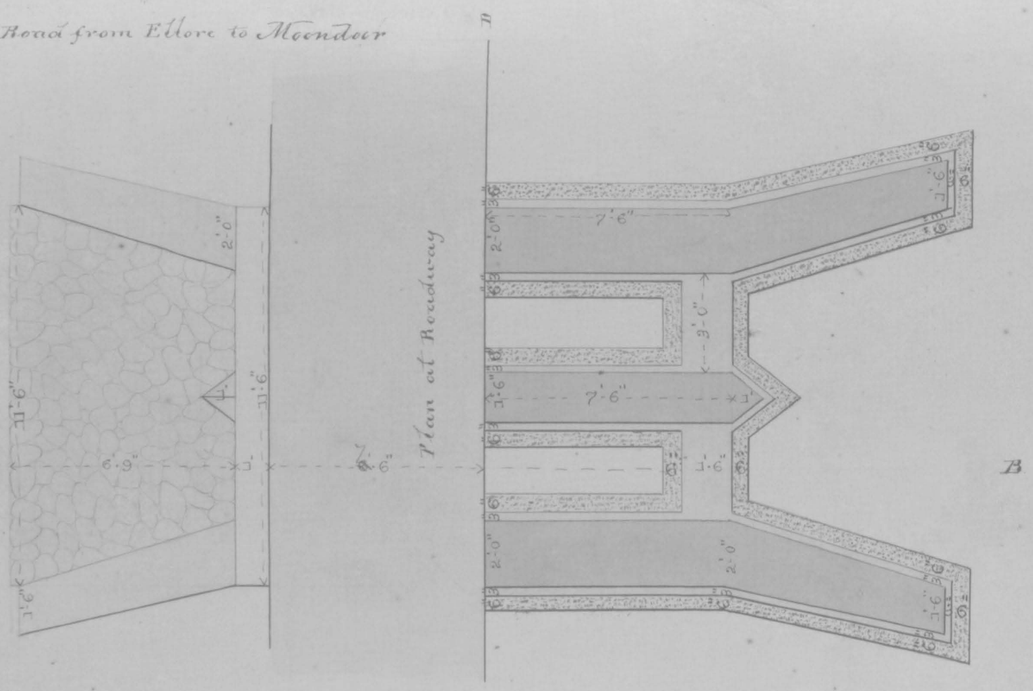

N° 2,3,7,8,11,14,16
Plan of a Duct 3'x(2'
Estimated Cost R° 1

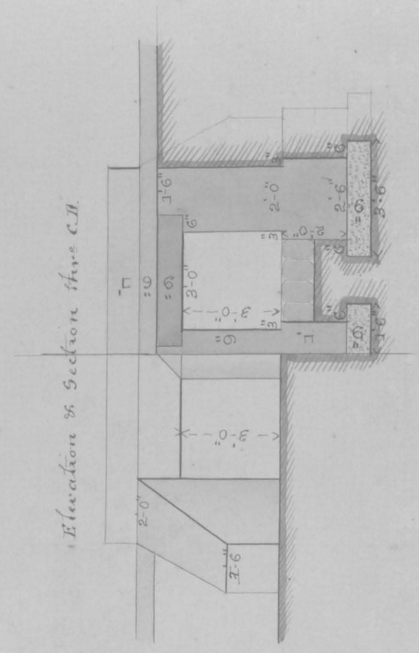



N° 1,4,5,12,13,15 & 16
Plan of a Tunnel 3.3x(3) Slabs
Estimated Cost R° 225

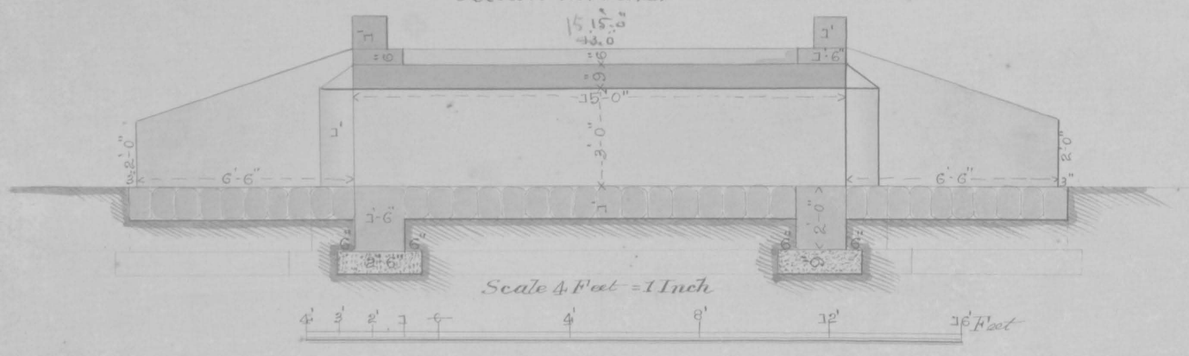
Scale 4 Feet = 1 Inch

Road from Ellore to Moondur




Section thro's A.B.

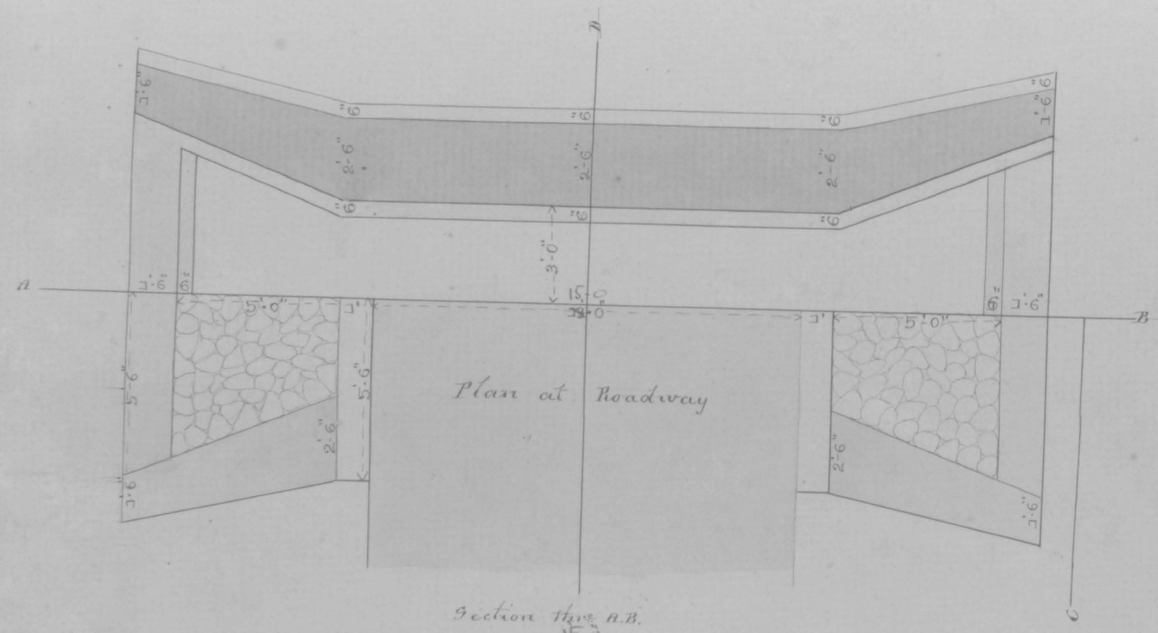


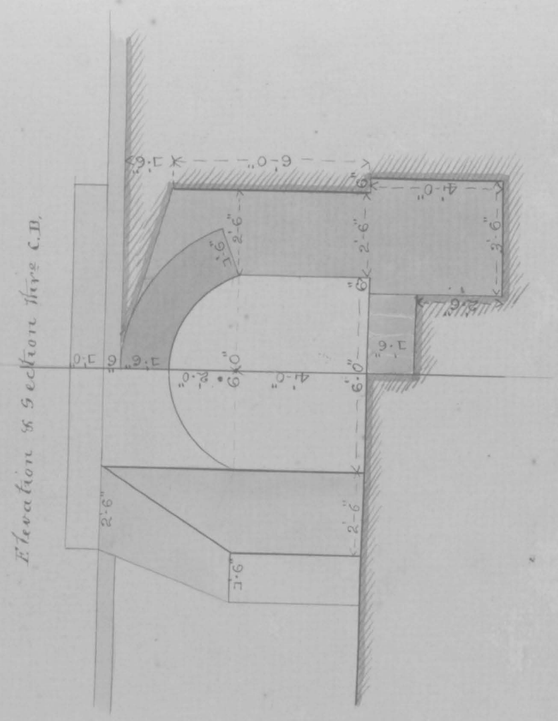

No. 107 NA

Plan of a Tunnel 2,3'×(3') Slabs

Estimated Cost Rs 300.

Road from Ellore to Moondoor

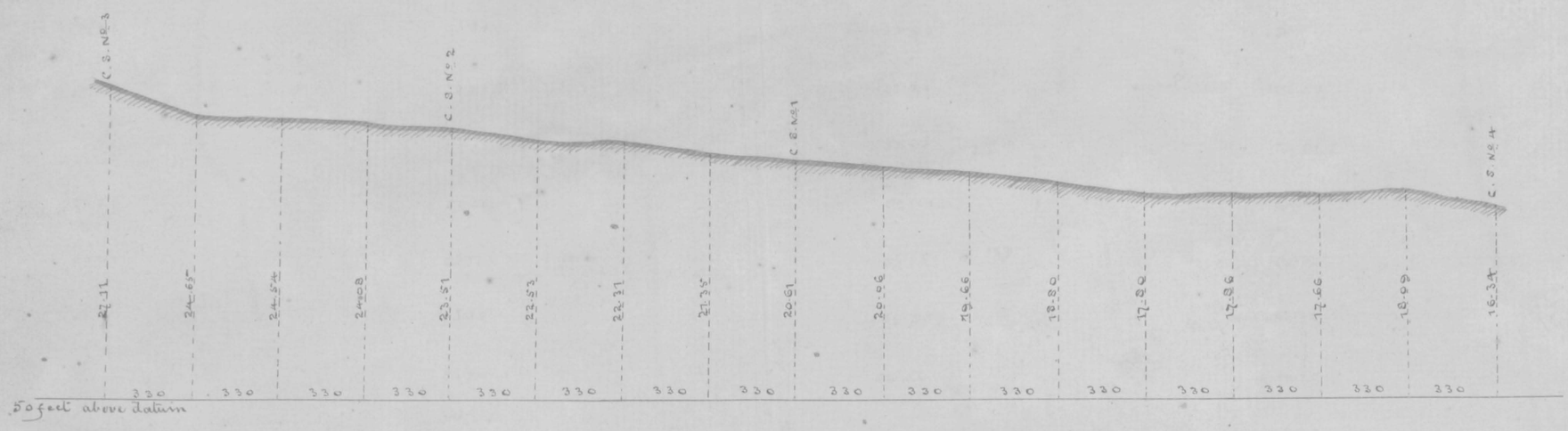


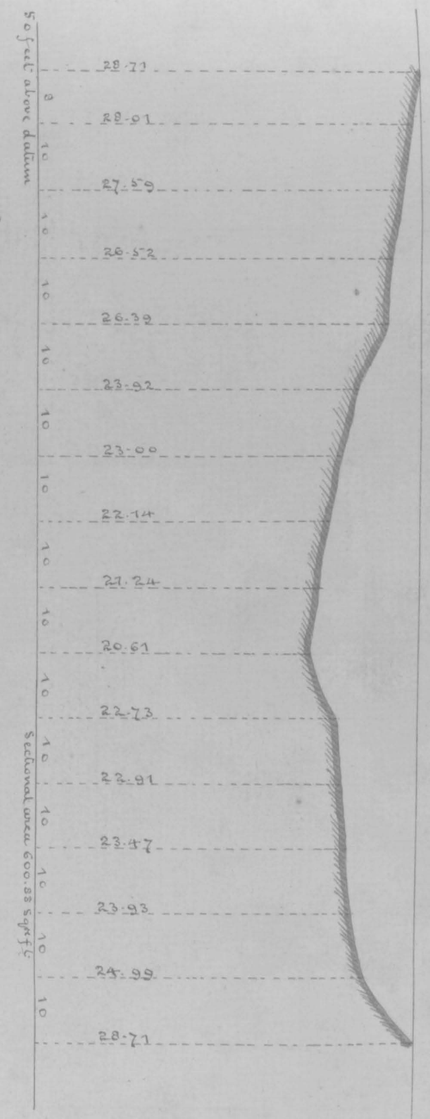

No 6 & 12
Plan of a Tunnel 6 x (4+2)
Estimated Cost Rs 640

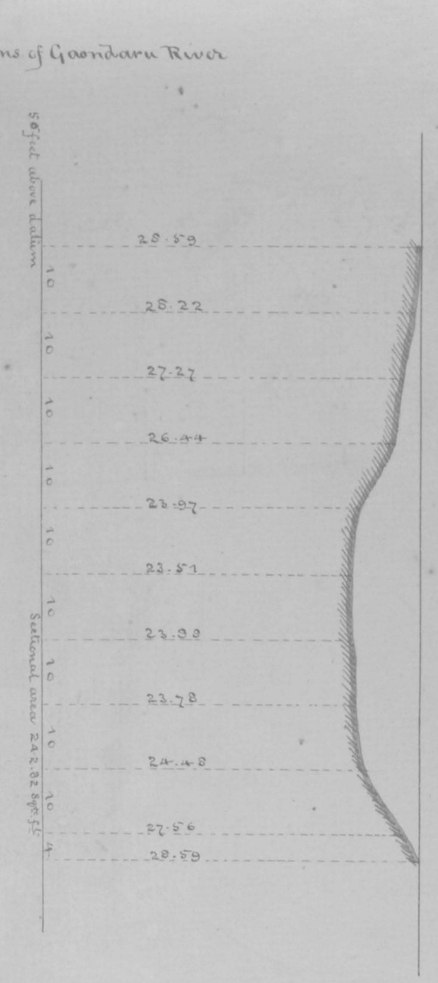
# MASONRY WORKS

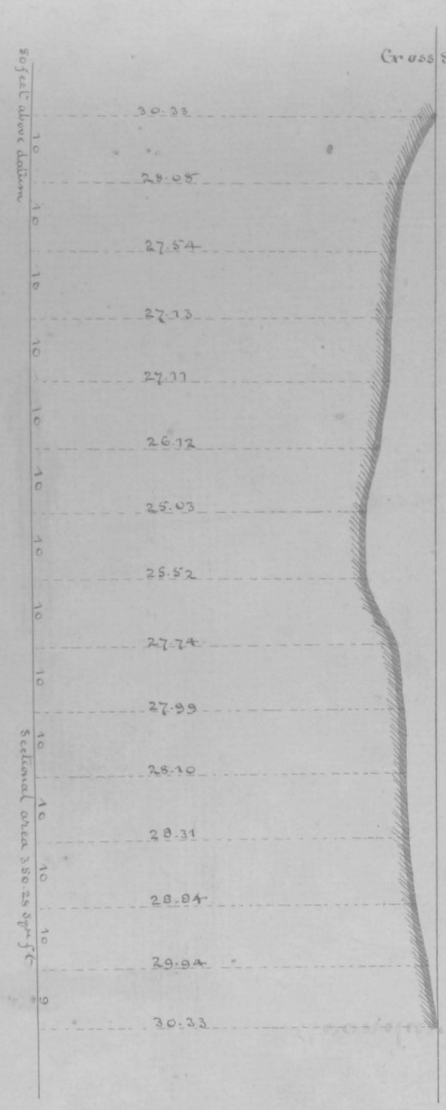
Goondaru River

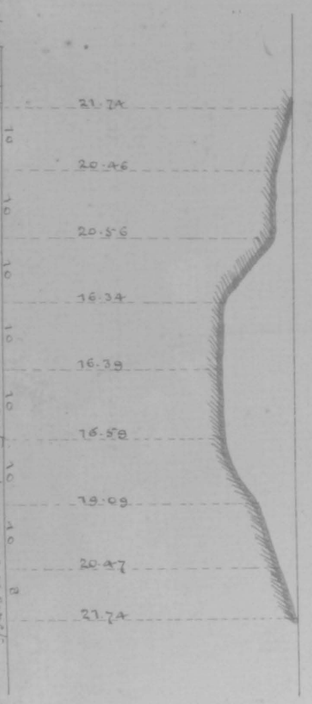



Cross Sections of Goondaru River

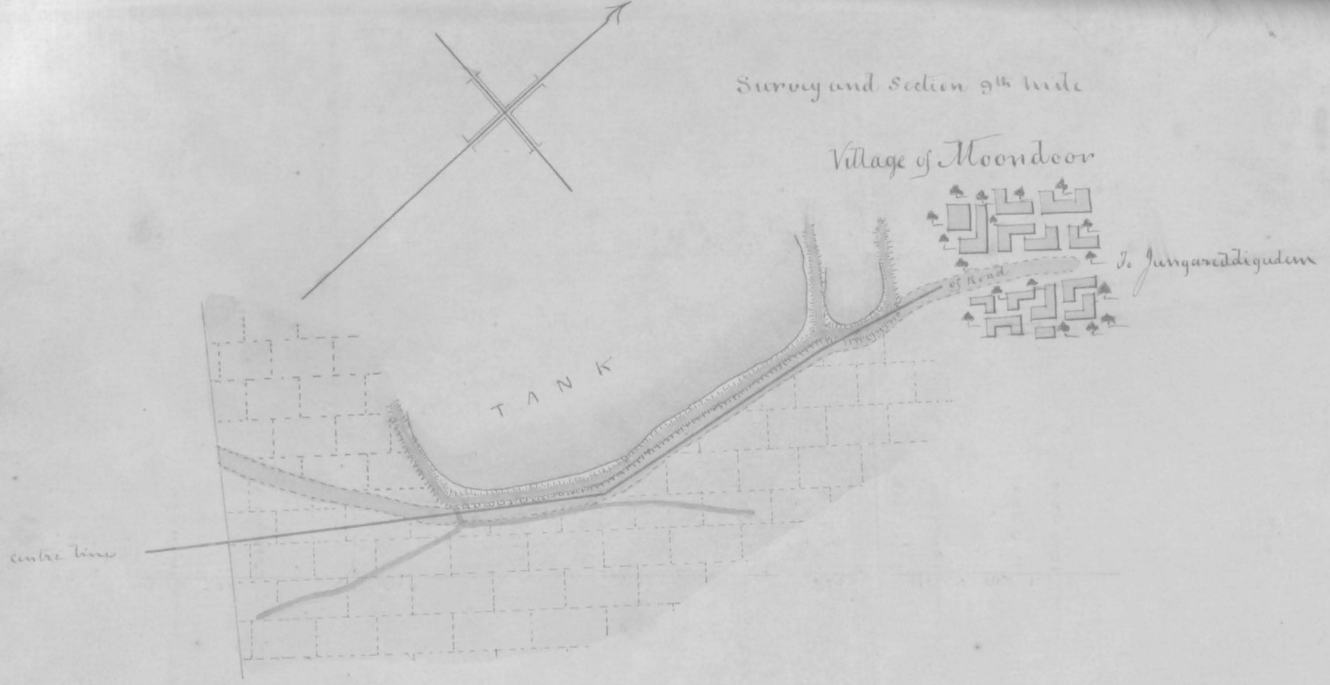


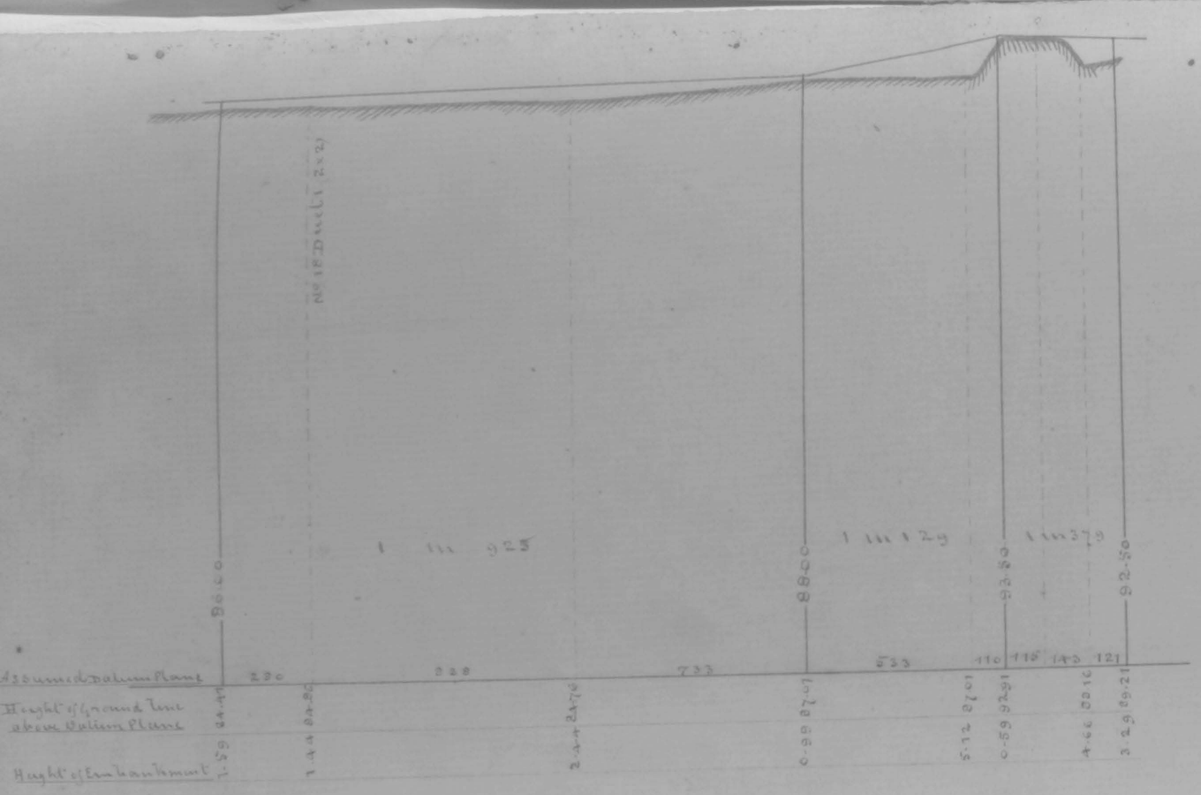



Survey and Section 9th mile

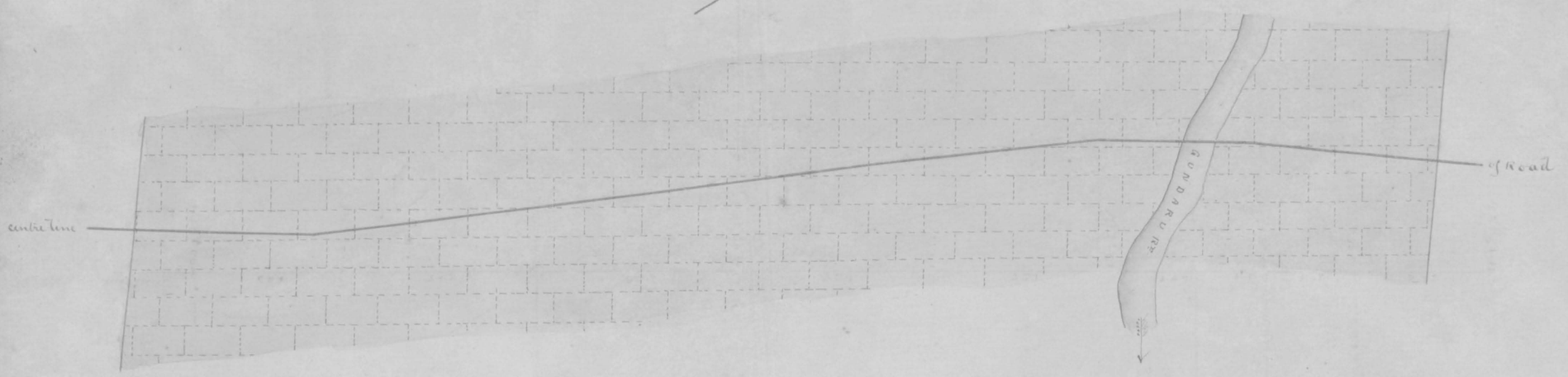


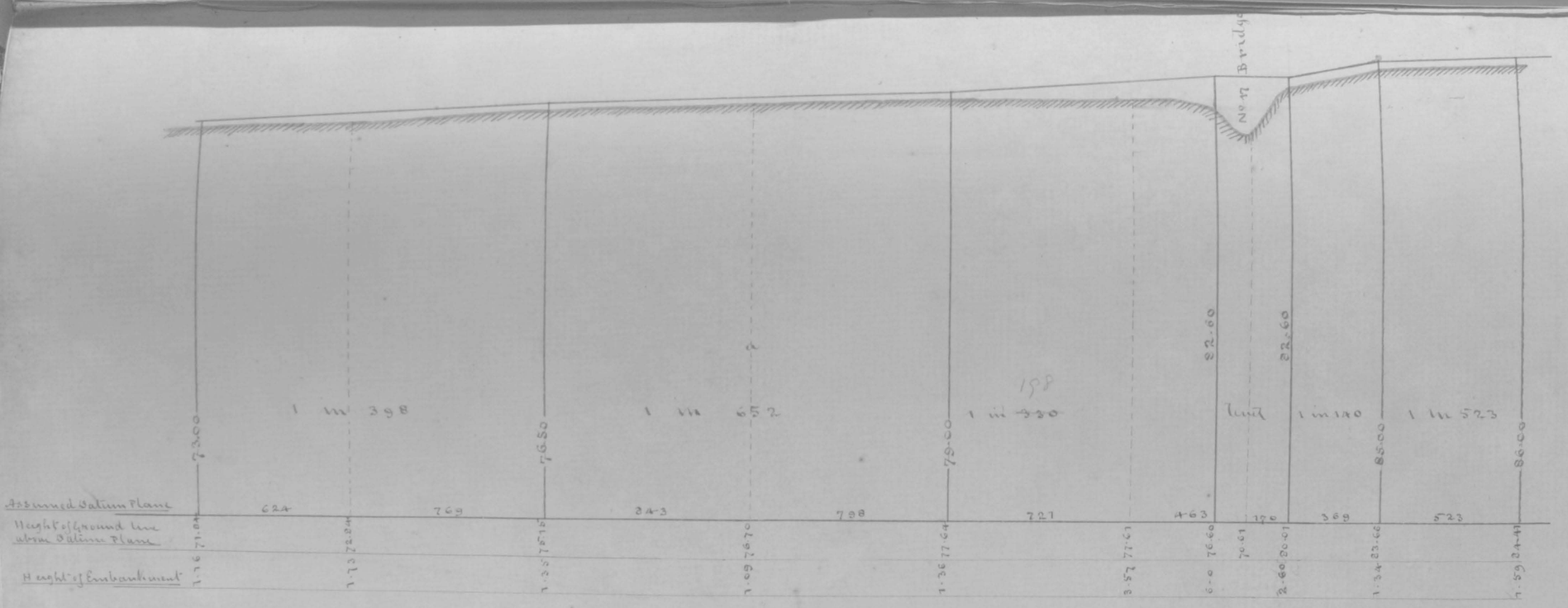



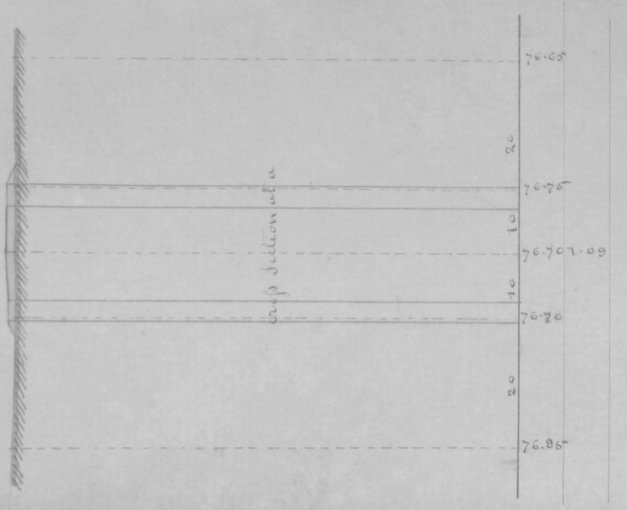

Wm Tucker
Lieut Col R.E
Ag. Supt. Engr 1st Dn

S. D. Martin.
Asst Engineer

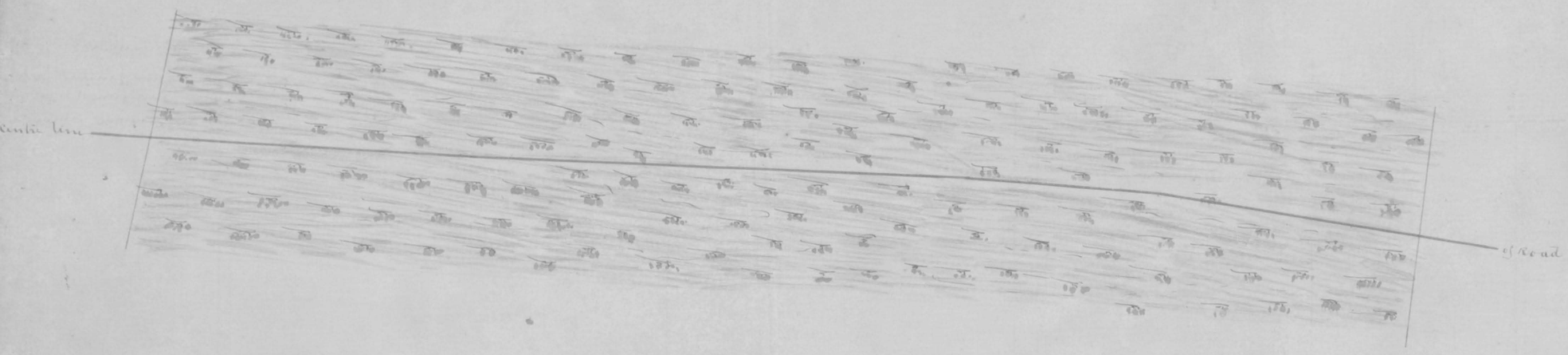
Survey and Section 8th Mile



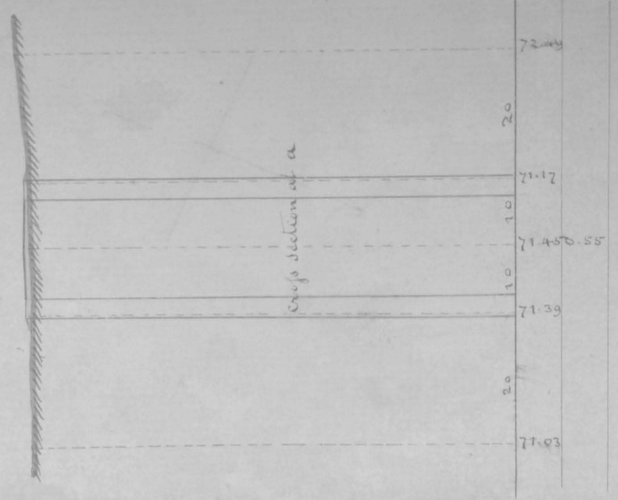



Survey and Section 7th Mile









Survey and Section of Mile

Nagulddavypad Village

anta line

Gumganagudem Village

Rail Road

No 1 a Tunnel (2x3)

No 45 Tunnel (2x3)

1 in 125

1 in 133

1 in 320

Natural Datum Plane

Level of ground line

Datum Plane

Line of Embankment

Rail Section of Line

50.62

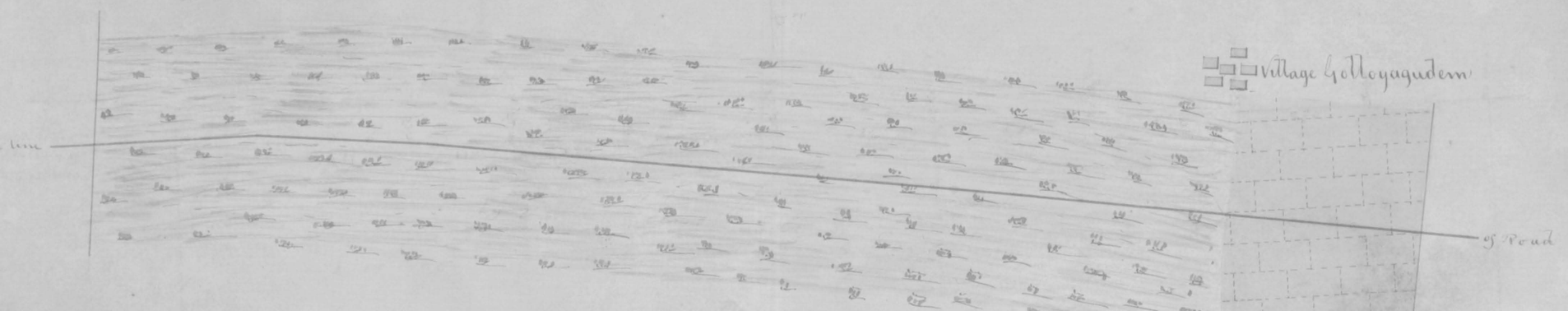
50.02

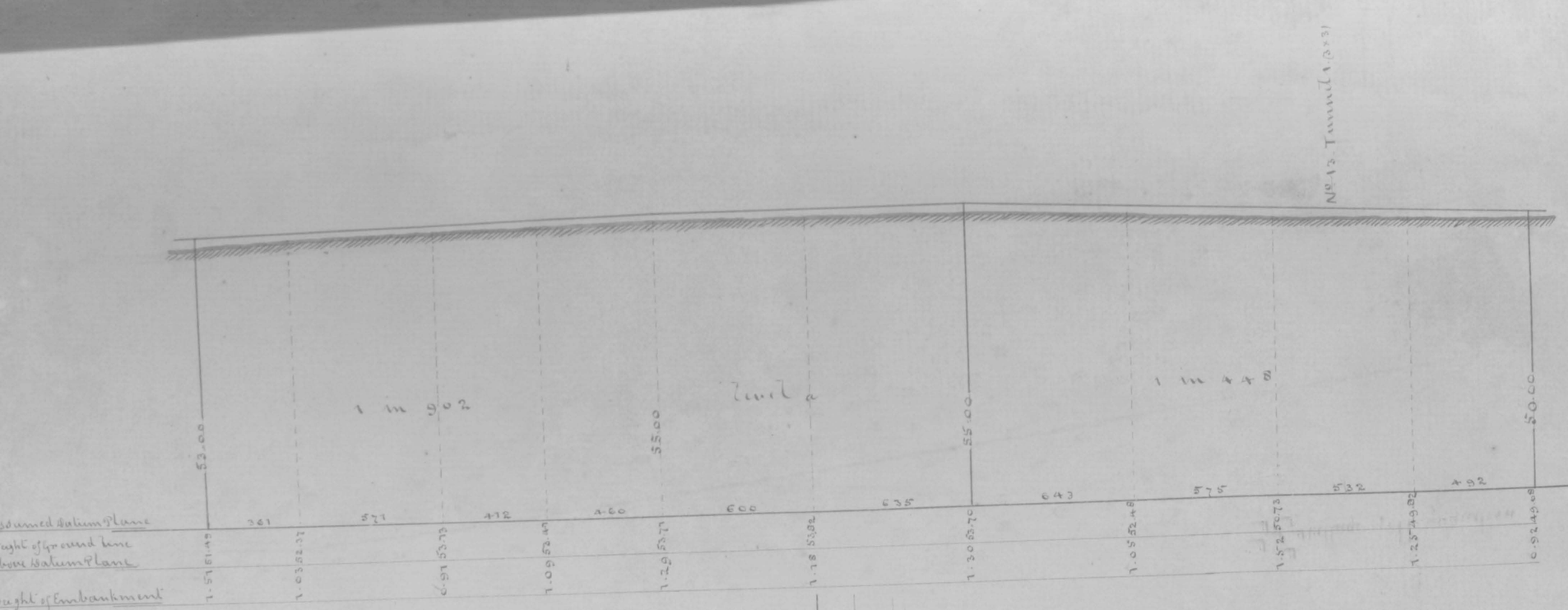
50.72 3.26

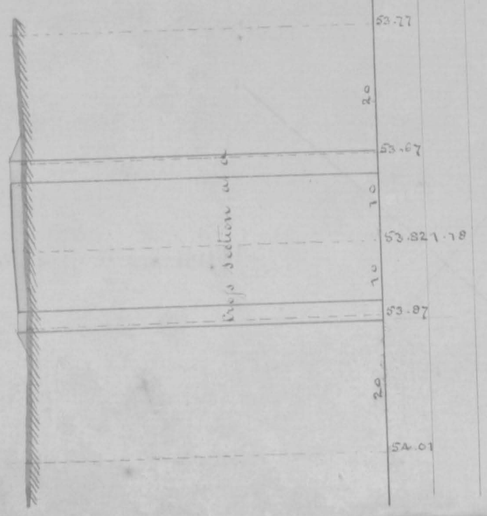
50.72

50.82

Survey and Section 5th Mile



Assumed Datum Plane

| Height of ground line above datum Plane | Height of Embankment | | | | |
|---|---|---|---|---|---|
| 35.77 | 1.23 | 37.0 | 680 | 1 in 240 | |
| 32.24 | 1.76 | | | | |
| 41.28 | 1.72 | 43.00 | 600 | 1 in 400 | |
| 42.75 | 0.85 | 43.60 | 260 | 1 in 5 | |
| 45.32 | 1.68 | 43.00 | 414 | 1 in 243 | |
| 43.32 | 1.33 | | | | |
| 45.43 | 1.07 | 46.50 | 630 | 1 in 252 | |
| 48.32 | 0.68 | 49.00 | 507 | 1 in 315 | |
| 49.33 | 1.36 | | | | |
| 51.23 | 1.66 | 53.00 | 660 | | |
| 51.49 | 1.51 | | | | |

Nº 12. Tunnel 1.(6x4+2)

Cross section at a

| | | | | |
|---|---|---|---|---|
| 20 | 10 | 10 | 20 | |
| 40.74 | 40.96 | 41.18 | 41.54 | |
| 42.72 | | | | |

Cross Section at b.

| | | | | |
|---|---|---|---|---|
| 30 | 10 | 10 | 20 | |
| 46.31 | 45.32 | 45.38 | 45.22 | |
| 45.38 | | | | |

Cross Section at c.

| | | | | |
|---|---|---|---|---|
| 30 | 10 | 10 | 20 | |
| 49.31 | 49.32 | 49.28 | 49.22 | |
| 49.30 | | | | |

Contour Plan

Proposed Railway Station &c.

Proposed Line of Railway

To Mount Oak

To Pelton Colliery

Old Road

Cross Sections 3rd Mile

Assumed Datum Plane

| Height of Ground above adjacent Plane | Height of Embankment | | |
|---|---|---|---|
| 2.54 | 34.06 | 36.00 | |
| 1.60 | 34.00 | | |
| 3.00 | 32.53 | | |
| 1.50 | 33.06 | | |
| 2.25 | 32.32 | | |
| 1.38 | 32.62 | 34.00 | |
| 1.50 | 33.20 | | |
| 2.00 | 34.83 | | |
| 1.73 | 35.77 | 37.50 | |

Cross Section at a.

20 | 10 | 10 | 20 | 32.33 | 32.79 | 32.53 | 32.03 | 32.33 | 3.00

Cross Section at b.

20 | 10 | 10 | 20 | 32.32 | 32.42 | 32.32 | 32.02 | 31.86 | 2.25

Cross Section at c.

20 | 10 | 10 | 20 | 33.00 | 33.01 | 33.20 | 33.03 | 32.92 | 1.50

Cross Section at d.

20 | 10 | 10 | 20 | 35.50 | 35.72 | 35.77 | 35.53 | 35.33 | 1.73

660 | 660 | 660 | 660 | 660 | 660 | 660 | 660 | 660

N°10 Tunnel 2.3rd(3) State Drainage Debitable to Local Funds

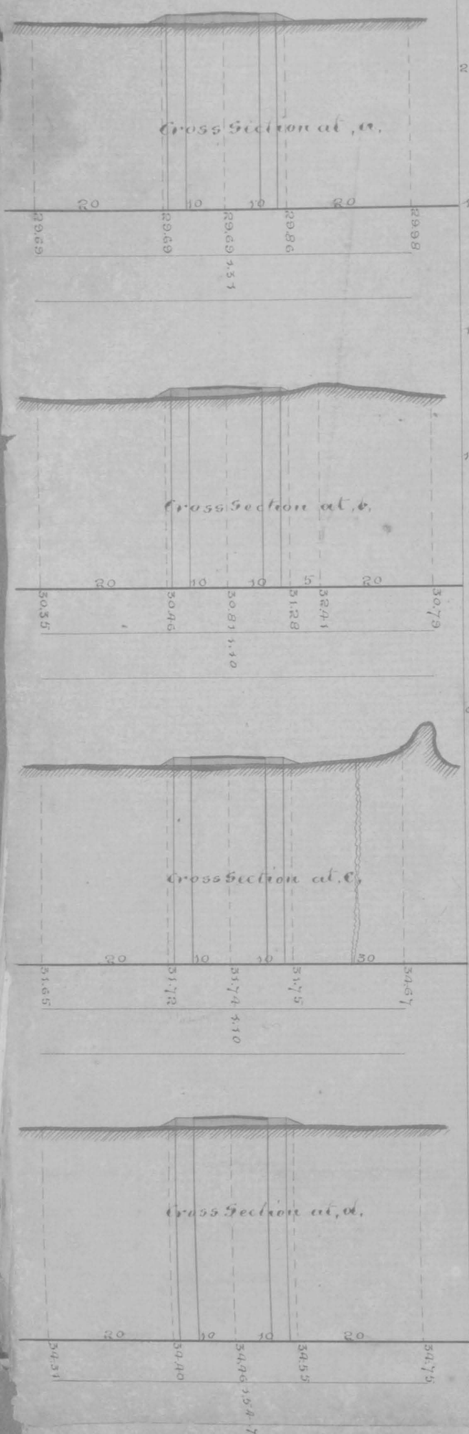
N°11 Piers 1.2nd(2) State Irrigation Debitable to Imperial Funds

Village Gomaveripaud

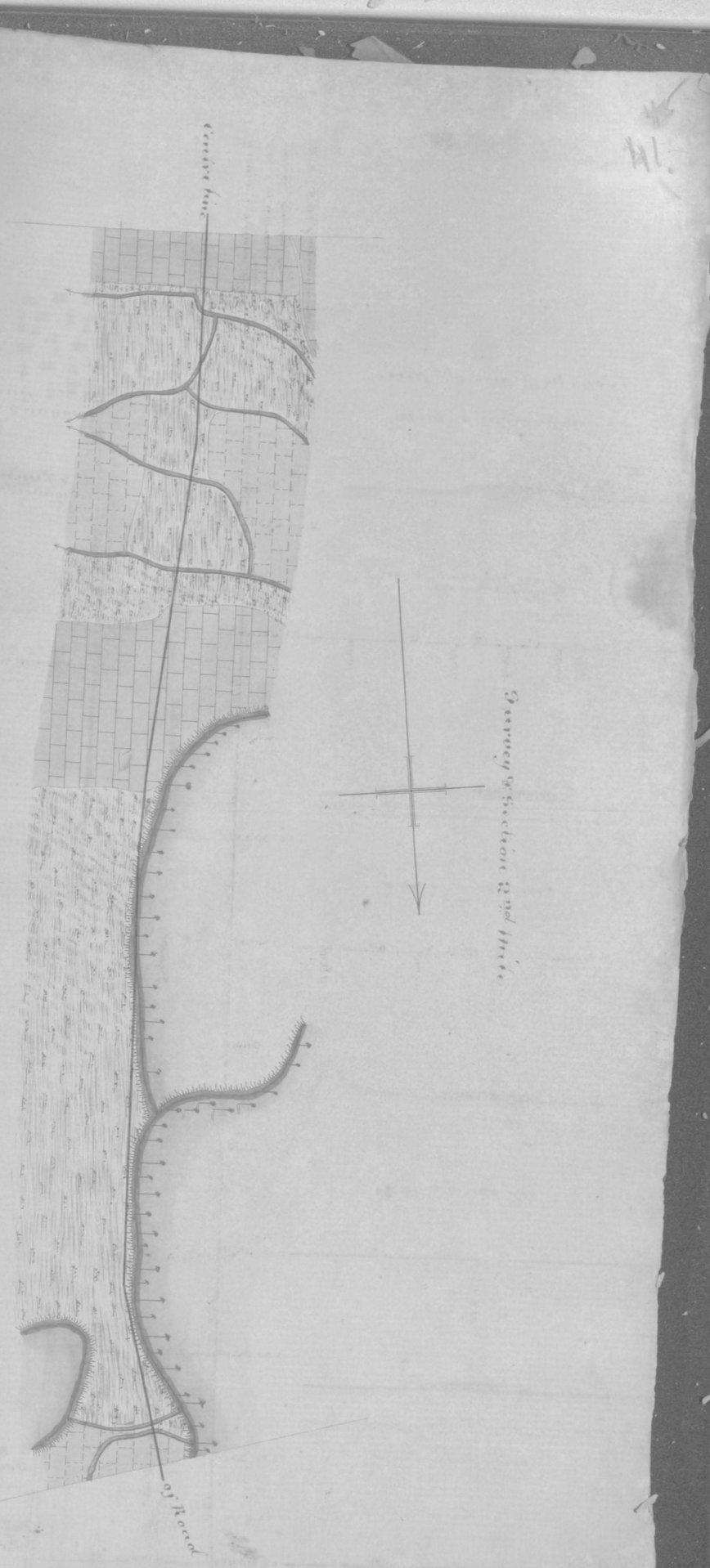
Geological Section 3rd Mile

to Karad

## Cross Sections 2nd Mile




| Height of Embankment | Assumed Bottom Plane | Height of Ground Line above Bottom Plane | | | |
|---|---|---|---|---|---|
| 1.30 | 28.70 | 30.00 | 300 | Level | |
| 2.46 | 27.54 | | 560 | | No 4 Tunnel 1.3×(3) Stairs<br>Irrigation Debitable to Imperial Fu |
| 2.66 | 27.34 | 30.00 | 660 | 1 in 960 | No 5 Tunnel 1.3×(3) Stairs<br>Irrigation Debitable to Imperial Fund |
| 1.31 | 29.69 | 31.00 | a | | No 6 Tunnel 1.6×(9+2)<br>Irrigation Debitable to Imperial Fu |
| 1.50 | 29.79 | | 220 | | |
| 1.85 | 30.15 | 32.00 | 440 | 1 in 880 | No 7 Duct 1.2×(2) Stairs<br>Drainage Debitable to Local Fund |
| 1.10 | 30.81 | | b | | |
| 0.25 | 31.98 | | 440 | | |
| 1.10 | 31.18 | | 440 | 1 in 2200 | |
| 1.10 | 31.74 | | c | | |
| 0.90 | 32.10 | 33.00 | 440 | | |
| 1.10 | 33.14 | | 440 | 1 in 293 | No 8 Duct 1.2×(2) Stairs<br>Drainage Debitable to Local Fu |
| 1.54 | 34.46 | 36.00 | d | | No 9 Duct 1.1.6×(0.6) Stairs<br>Drainage Debitable to Local |



Cross Sections 1st Mile

Cross Section at, a,

Cross Section at, b.

Cross Section at, c.

Cross Section at, d.

Assumed Bottom Plane

Height of Ground line before Bottom Plane

Height of Embankment

1 mile

Tumalair River
No. 8 Road Bam 298 feet lon
Debitable to Imperial Funds

No. 1 Tunnel 1.3'x(5') Stars
Irrigation Debitable to Imper

No. 2 Duct 1.2'x(2') Stars
Drainage Debitable to Local Fu

No. 3 Duct 1.2'x(2') Stars
Drainage Debitable to Local F

Road

Cross Sections 1st Mile

Cross Section at a.

Cross Section at b.

Cross Section at c.

Cross Section at d.

Trumalair River

No 1 Road Dam 298 feet long
Debitable to Imperial Funds

No 1 Tunnel 1.5×(3) Stars
Irrigation Debitable to Imperial

No 2 Duct 1.2×(2) Stabs
Drainage Debitable to Local Fu

No 3 Duct 1.2×(2) Stabs
Drainage Debitable to Local Fu

Trumalair River

Path to the Village

Well

Boundary Section 1st Mile

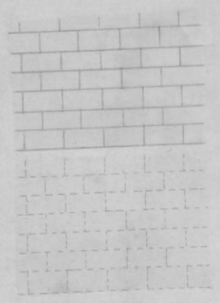
Scale to Survey & Longitudinal Section

1000 500 0 1000 2000 3000 4000 Feet

20 30 0 20 40 60 80 100 120 140 160 180 200 ft

Scale 20 feet = 1 inch to Cross Sections & Vertical to Long.l Section

## References



Wet Cultivation



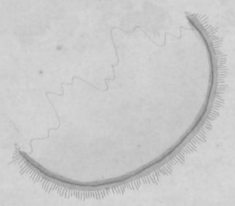
Dry Cultivation



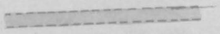
Jungle



Waste Land



Tanks



Bunds



Channels



Temples



Villages

Major R.E

Acting Superintending Engineer 1st D.n

J. W. Bracken

Assistant Engineer

In charge No. 4 Range

No. 4 Range Office
7th September 1871

# GODAVERY DISTRICT

## ELLORE RANGE

## SURVEY LEVELS & MASONRY WORKS

of Road

from

## ELLORE TO MOONDOOR

Specification for the Masonry Works of the Road from Ellore to Mandoor.

All foundation to be dug to the depth shown on the plans, and to be brought to an uniform level surface before any Concrete is put down or Superstructure is commenced.

Concrete. All Concrete used to be composed of three parts of broken stone or Kunker to one part of Chunam. The Concrete is to be well mixed clear of the foundation and with a sufficient quantity of water before it is put into the foundations. All Concrete is to be used and put down in the foundations immediately after it is mixed and then to be rammed and brought to a level surface

Mortar All mortar used to be composed of 7 parts of Sand free from Earth to four parts of Stone lime.

Foundations All foundations are to be hammered dressed stone and Chunam of the depth shown on the plans. The stone used is to be hammered dressed large, and of a good description, and no more small stone is to be used than is absolutely necessary to fill the interlices.

Superstructure Superstructures are to correspond exactly with the dimensions figured on the plans and are to be built of hammered dressed stone in Chunam. The exposed faces of the works are to be neatly dressed and pointed with Chunam.

Arch Work. All arches are to be made of the thickness shown on the plans, to be built of well hammered dressed stone in chunam.

Roadway. The Roadway over all bridges to have a clear width between parapets of 15 feet and to be level.

Plans On all the plans the figured dimensions are to be used the dimensions are not to be taken from the scale.

I have every reason to think that all that is required is provided in the Estimate for the road and that it will not require any supplimentary Estimate hereafter.

A. D. Bartlett
Asst Engineer
Exchange No 4 Range 6 D.

Wm. H. Tichenor Lieut C.S.R.E.
Acting Superintg Engr 1st Dist

1872 Despr.
In ablt to print the
President Local Dr 1/6 Dr
Godavery District
To the Secretary to the
Board of Revenue
Dated 25 June/72
Recd
No 63.

In Cell No 3334/72
Specification

From The Officer
Incharge Dr & Bridge
G.D.

To The Supt Engineer
1st Dn

Dated 4th
Recd } June/72

Specification
of Masonry works
on the Road from
Ellore to Nandoor

In Field 1350/72

Annual Statement of land occupied by the Road from Ellore to Mundoor

Local Funds.

| Names of Villages | Nature of soil or Cultivation | Distance Measurements Miles | Furlongs | Yards | Length | Breadth | Contents | Superfl. acres | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Ellore | Village | " | " | " | 146 2/3 | | | | |
| | Tumalair | " | " | 146 2/3 | 146 2/3 | | | | River |
| | Punta | " | 1 | 73 1/3 | 146 2/3 | 22 | 3,226 2/3 | ✓ | East of Ellore |
| | Waste land | " | 2 | " | 586 2/3 | 22 | 12,906 2/3 | ✓ | Do |
| | Punta | " | 4 | 146 2/3 | 293 1/3 | 22 | 6,453 1/3 | ✓ | Do |
| | Wet Cult. | " | 6 | " | 440 | 22 | 9,680 | ✓ | Do |
| | Do | " | 1 | " | 100 | 22 | 2,200 | ✓ | Do |
| | Waste land | " | 1 | " | 400 | 22 | 8,800 | ✓ | Do |
| | Wet Cult. | " | 1 | 2 | 60 | 266 2/3 | 22 | 5,866 2/3 | ✓ |
| | Waste land | " | 1 | 3 | 106 2/3 | 900 | 22 | 19,800 | ✓ |
| | Dry Cult. | " | 1 | 7 | 126 2/3 | 93 1/3 | 22 | 2,053 1/3 | ✓ |
| | Do | " | 2 | " | " | 400 | 22 | 8,800 | ✓ |
| Village Somavarapaud | Waste land | " | 3 | 1 | 180 | 933 1/3 | 22 | 20,533 1/3 | ✓ |
| | Wet Cult. | " | 2 | 6 | 13 1/3 | 66 2/3 | 22 | 1,466 2/3 | ✓ |
| | Waste land | " | 2 | 6 | 80 | 100 | 22 | 2,200 | ✓ |
| | Wet Cult. | " | 2 | 6 | 180 | 100 | 22 | 2,200 | ✓ |
| | Waste land | " | 2 | 7 | 60 | 160 | 22 | 3,520 | ✓ |
| | Do | " | 3 | " | " | 500 | 22 | 11,000 | ✓ |
| Village Yagauram | Do | " | 3 | " | 500 | 160 | 22 | 3,520 | ✓ |
| | Do | " | 3 | 3 | " | 1100 | 22 | 24,200 | ✓ |
| | Do | " | 4 | " | " | 1540 | 22 | 33,880 | ✓ |
| Village Gollayagudem | Dry Cult. | " | 4 | 7 | " | 220 | 22 | 4,840 | ✓ |
| | Do | " | 5 | " | " | 1000 | 22 | 22,000 | ✓ |
| Village Naguldavipaud | Waste land | " | 5 | 4 | 120 | 760 | 22 | 16,720 | ✓ |
| | Do | " | 6 | " | " | 1760 | 22 | 38,720 | ✓ |
| | Dry Cult. | " | 7 | " | " | 1760 | 22 | 38,720 | ✓ |
| | | " | 8 | " | " | 200 | 22 | 4,400 | ✓ |
| | | " | 8 | " | 200 | 757 | 22 | 16,654 | ✓ |
| | | " | 8 | 4 | 77 | | | 374 | |

324 360 2/3 or 67 1/2 at (Rs 40) per Acre
324400 = Rs 2682-9-4

West of Somavarapaud
Do
Do
Do
Do
Do
Do
West of Yagauruma
Do
Do
Do
West of Naguldavipaud
Do
Do
Do
Do

Whitehurn Lieut Col R.E.
Acting Superintg Engr 4th Div.

J. D. Spratt
Asst Engineer
In charge Ackt Survey 4th Div.

# Abstract Estimate
## Godavery District.
## Ellore Taluq.

Work — Constructing a Road from Ellore to Meundoor — Length 8 miles 4 furlongs and 77 yds

| Quantity | Description of Work | Rate | Per | Amount | Total |
|---|---|---|---|---|---|
| | *Road Work* | | | | |
| 4924 23/27 | Cyds of Earthwork | " 1 6 | Cyd | 461 6 12 9/8 | |
| 1253 13/16 7/16 | Gravelling | 1 6 " | " | 172 3 0 6 | |
| 331 97/8 51.79 | Sqrs yards Turfing | " " 6 | Sqr | 103 7 10 48 5 6 | |
| 3 | Miles Cutting Jungle | 50 " " | Mile | 150 " " | |
| 8 | Mile Stones | 5 8 " | Each | 44 " " | |
| | | | | 8912 4 | |
| | | | | 2307 8 15 " | |
| | Contingencies | | | 89 10 2 | |
| | | | | 2310 7 11 | |
| 67 2/141 | Acres Compensation for land | 40 " " | acre | 2680 9 1 | |
| | | | | 160 | |
| | | | | 28070 | |
| | *Masonry Works* | | | | |
| | Constructing a Tunnel of 1 Vent of 6 feet span height of abutment 4 feet. | | | | |
| 74 28/36 | Cyds of Rough Stone in Chunam | 4 8 " | Cyd | 336 10 " | |
| 11 35/54 | do of Dressed arch stone | 15 " " | " | 174 8 9 | |
| 7 3/5 | Sqrs of Pointing | " 12 " | Sqr | 5 11 " | |
| 6 | Do of Turfing | 1 " " | " | 6 " " | |
| 40 | Cyds Excavation & filling in | " 3 " | Cyd | 7 8 " | |
| 20 | do Rough stone apron | 1 12 " | " | 35 " " | |
| 4 | Guard stones | 1 8 " | each | 6 " " | |
| 1 | Centring | 10 " " | | 10 " " | |
| | | | | 584 5 9 | |
| | | | | 60 " 4 | |
| | Contingencies | | | 58 10 3 | |
| | Total for 1 Tunnel | | | 640 " " | |
| | Total for 2 Tunnels | | | 1280 | |
| | Carried over | | | 29350 | |
| | | | | 440 | |

Statement of Accounts
Received from Ellore
Subdivision
Rs 29790

Sub Collr 3334

In Fair 13500/

Brought Over 2935

Constructing a Tunnel of 2 Ducts
of 3 ft Span Height of abutments 3 ft

| | | | | | |
|---|---|---|---|---|---|
| 7 8/9 (14/54) | Cyds of Concrete | 3 | Cyd | 23 10 11/18 | ✓ |
| 36 1/6 | do of Rough Stone in Chunam | 4 8 | " | 162 12 | ✓ |
| 3 1/9 | do of Dressed Stone Covers | 12 | " | 45 5 4 | ✓ |
| 5 1/2 | Squares Pointing | 12 | Sqr | 4 2 | ✓ |
| 7 | do Turfing | 1 | " | 7 " | ✓ |
| 30 | Cyds Excavation | 3 | Cyd | 5 10 | ✓ |
| 12 | Do Rough stone apron | 1 12 | " | 21 " | ✓ |
| 4 | Guard Stones | 1 8 | each | 6 " | ✓ |
| | | | | 275 8 1/2 | ✓ |
| | Contingencies | | | 24 8 1/2 | |
| | Total for 1 Tunnel | | | 300 " | |
| | Total for 2 Tunnels | | | 600 | |

Constructing a Tunnel of 1 Vent of
3 ft Span Height of abutment 3 ft

| | | | | | |
|---|---|---|---|---|---|
| 6 1/8 | Cyds of Concrete | 3 | Cyd | 18 6 | |
| 27 5/9 (67/108) | do Rough Stone in Chunam | 4 8 | " | 134 4 | |
| 1 8/9 | do Dressed Stone Covers | 12 | " | 22 (28) 10 | |
| 3 1/2 | Squares pointing | 12 | Sqr | 2 10 | |
| 7 | do Turfing | 1 | " | 7 " | |
| 14 | Cyds Excavation | 3 | Cyd | 2 10 | |
| 7 | do Rough stone apron | 1 12 | " | 12 4 | |
| 4 | Guard Stones | 1 8 | each | 6 " | |
| | | | | 201 12 8 | |
| | Contingencies | | | 23 8 4 (28) | |
| | Total for 1 Tunnel | | | 225 " | |
| | Total for 6 Tunnels | | | 1350 | |

Constructing a Duct of 1 Vent of
2 ft Span Height of abutment 2
ft:

| | | | | | |
|---|---|---|---|---|---|
| 4 2/3 (18) | Cyds of Concrete | 3 | Cyd | 14 " | |
| 11 18 1/54 | do of Rough Stone in Chunam | 4 8 | " | 49 9 5 | |
| 1 4/9 5/12 | do of Dressed Stone Covers | 12 | " | 17 (24) | |
| | Carried over | | | 80 14 4 31300 (360) | |

Brought over 80 14 4 31300

| | | | | | |
|---|---|---|---|---|---|
| 2 | Squares Pointing | 12 | Sqr | 1 8 | |
| 4 | do Turfing | 1 | " | 4 " | |
| 10 | Cyds Excavation | 3 | Cyd | 1 14 | |
| 2 | do Rough stone apron | 1 12 | " | 3 8 | |
| 4 | Guard stones | 1 8 | each | 6 " | |
| | | | | 97 12 4 (8) | |
| | Contingencies | | | 12 3 3 | |
| | Total for One Duct | | | 110 " | |
| | Total for 6 Ducts | | | 660 | |

Constructing a Duct of 18" Square

| | | | | | |
|---|---|---|---|---|---|
| 4 8/18 (27/54) | Cyds Concrete | 3 | Cyd | 12 14 2 (13) | |
| 9 7/8 5/108 | do Rough stone in Chunam | 4 8 | " | 43 12 3 | |
| 1 1/6 | do Dressed stone Covers | 12 | " | 14 " | |
| 1 1/2 | Squares Pointing | 12 | Sqr | 1 2 | |
| 1 1/2 | do Turfing | 1 | " | 1 8 | |
| 6 | Cyds Excavation | 3 | Cyd | 1 2 | |
| 1 1/2 | do Rough stone apron | 1 12 | " | 2 10 | |
| 4 | Guard Stones | 1 8 | each | 6 " | |
| | | | | 82 6 " | |
| | Contingencies | | | 7 10 " | |
| | | | | 90 " | |
| | Total for 1 Duct | | | 90 | |

Constructing an Iron Girder Bridge
over Goondaroo No 17

| | | | | | |
|---|---|---|---|---|---|
| 102 1/18 | Cyds Concrete | 3 | Cyd | 306 2 8 | |
| 434 12 1/2 (27) | " Rough stone in Chunam | 4 8 | do | 1955 14 | |
| 5 25/27 | " Cut stone in Chm | 15 | do | 88 14 3 | |
| 50 25/27 | " Loose stone pitching | 1 12 | do | 89 1 11 | |
| ~~20 18/18~~ | ~~Squares Pointing~~ | ~~12~~ | ~~Sqr~~ | ~~15 11~~ | |
| 7 3/20 | " Asphalth over planking | 20 | " | 246 " | |
| 28 17/54 | Cyds Gravelling | 1 6 | Cyd | 38 15 9 | |
| 50 | Cyds Rough Stone revetments | 1 12 | " | 87 8 " | |
| 9 | Squares Painting Girders | 10 | Sqr | 90 " | |
| | Excavating foundations and Filling in | | | 100 " | |
| | Carried over Page | | | 3041 11 11 3205 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Brought over | | | | | 3041 | 11 | 32050 |
| | Piling | | | | | 200 | — | |
| 4 | Guard Stones | 3 | " | " | each | 12 | — | |
| | Turfing Banks | | | | | 100 | — | |
| | Carriage of Iron under & the Site of Bridge | | | | | 300 | — | |
| | Contingencies | | | | | 365 | 41 | |

**Iron Work**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 24772 | lbs | of Wrought Iron | " | 2½ | lb | 387 | 10 | — |
| 1170 | " | of ¾" Plate Iron | " | ¼ | " | 29 | 2 | 8 |
| 1526 | " | Cast Iron | 180 | — | Ton | 122 | 10 | — |
| 443 | " | Shoe and | " | ¼ | lb | 110 | 12 | — |
| 21⅓ | cft | Teak Wood | 3 | " | cft | 65 | 2 | — |
| | | Workshop Centage | 25 | — | pench | 262 | 8 | — |
| | | Total | | | | 1033 | 11 | — |

Total for one Bridge — 10330

**Constructing a Store Shed**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 54⅔ | cyd | of Mud walls | " | 4 | cyd | 12 | 3 | 12 |
| 10 | cyds | of Ground Concrete mixed with Chunam well Rammed & plastered | 2 | — | " | 20 | — | — |
| 10 | | Verandah posts County wood | 2 | — | each | 20 | — | — |
| 1 | | County wood Beam | 8 | — | " | 8 | — | — |
| 10⅗ | | Squares Roofing with Prop County wood Common Tiles, wall plates, Brassemers, Bamboo Rafters, Nara complete | 11 | — | Sqr | 112 | 3 | 2 |
| 10⅝ | cft | County wood plewbs sawn | 1 | — | cft | 10 | 6 | 8 |
| 2 | | County wood doors 3×6 | 6 | — | each | 12 | — | — |
| 2 | | " " 3×5½ | 6 | — | " | 12 | — | — |
| 2 | | " Windows 2×3 | 3 | — | " | 6 | — | — |
| 20 17/28 | | Squares plastering walls with mud & Cowdung & Whitewash | " | 12 | Sqr | 15 | 8 | 2 |
| | | Excavating Foundations | — | — | — | 6 | — | — |
| | | Contingencies | | | | 234 | 5 | 5 |
| | | Total Rupees | | | | 260 | — | 42380 |

Brought over 42380
Total for one Shed 260
42700
Total for Masonry works 14570
Grand Total Rupees 42700

**Abstract**

| | | | |
|---|---|---|---|
| Earth Work | 5740 | — | — |
| Gravelling | 18900 | — | — |
| Turfing | 1150 | — | — |
| Cutting Temple | 150 | — | — |
| Compensation for land | 2680 | — | — |
| Mile Stones | 44 | | |
| Masonry works | 14540 | — | — |
| Total Rupees | | 40,700 | |

Estimate for one pile bridge Rs 2000

Camp Todapilly
4th June 1872

O. D. Inverarity
Asst Engineer
in charge 3rd Range
G.D.

Contractors

Master Sergeant Supt 1st Div

Lieut & Col RE.

Dosser
Alexander

No. 1,225.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 6th July 1872.

Read the following letter from W. S. FOSTER, Esq., President of the Local Fund Boards, Godavery District, to the Secretary to the Board of Revenue, dated Cocanada, 25th June 1872, No. 63 :—

I HAVE the honour to request the sanction of the Board for Rupees 5,000 being placed at the disposal of the Public Works Department for the construction of the road from Ellore to Vegaveram. The Local Fund Board of the Rajahmundry Circle have sanctioned this amount being transferred from the road from Ellore to Gundagole, No. 17 in the Budget of 1871-72.

2. Provision has been made in the current year's Budget for this new road for Rupees 10,000. I enclose the estimate, statement of the land occupied, specification and survey, and a letter* from the Superintending Engineer on the subject. You will see from that that it will be well to waste no more time ; I therefore should be much obliged if you would telegraph to me the sanction of the Board if obtained.

* Copy No. 1,133, dated 22nd June 1872.

ENCLOSURE No. 1.

From Lieutenant-Colonel J. F. FISCHER, R. E., Acting Superintending Engineer, 1st Division, to the President of the Local Fund Boards, Godavery District, dated Dowlaisweram, 22nd June 1872, No. 1,133.

WITH reference to your letter, No. 68, dated 14th June 1872, I have the honour to forward the estimate† and survey therein called for for the proposed line of road direct from Ellore to Moondoor, *via* Vegaveram, to meet the former proposed line of road from Dendooloor to Kamarapucotah. I request the transfer of funds noted by you, made by the Rajahmundry Circle, may be made as soon as possible to enable me to get on with the work at once, as great delay has already occurred and we are losing a good deal of the working season.

† Amounting to Rupees 42,700.
1 Survey Book.
1 Abstract Estimate.
1 Specification.
1 Statement of Land occupied.

(True Copy.)

(Signed) W. S. FOSTER,
President.

ENCLOSURE No. 2.—Survey.

ENCLOSURE No. 3.—Estimate.

ENCLOSURE No. 4.—Statement of Land.

ENCLOSURE No. 5.—Specification.

THE estimate received with the foregoing letter, amounting to Rs. 40,700, for "constructing a road from Ellore to Vegaveram" (length 8 miles, 4 furlongs and 77 yards) in the Ellore Circle, is submitted for the sanction of Government.

2. The component parts of the estimate are as follow:—

| | Rs. |
|---|---|
| 1. Earth-work ... ... ... ... ... | 5,140 |
| 2. Gravelling ... ... ... ... ... | 18,990 |
| 3. Turfing ... ... ... ... ... ... | 1,156 |
| 4. Cutting jungle ... ... ... ... | 150 |
| 5. Mile-stones ... ... ... ... ... | 44 |
| 6. Masonry works ... ... ... ... | 14,540 |
| 7. Compensation for land... ... ... | 2,680 |
| | 42,700 |
| Deduct for iron girder bridge... | 2,000 |
| Total... | 40,700 |

3. The work appeared in Part I. of the current year's Budget of the Rajahmundry Circle with an allotment of Rupees 10,000, but it was struck out for want of funds. It is again entered with a similar assignment in the revised Budget of the Ellore Circle, which is now before the Board and which will shortly be submitted to Government.

*Vide* paragraph 39 of Board's Proceedings, dated 17th January 1872, No. 120.

4. No explanation of the necessity for the work is given, as required by Clause 10, No. XXX., of the Local Fund rules. This omission should be supplied at once.

5. The President states that the Circle Board have authorized the transfer of Rupees 5,000 for the road in question from the allotment for the road from Ellore to Gundagole in the Budget of 1871-72 and requests the sanction of the Board of Revenue to it. The President must be aware that all sums remaining unspent out of the allotments sanctioned for specific works in any one year lapse to the fund at the close of that year. The transfer of Rupees 5,000 cannot therefore be effected in the manner proposed by the President.

(True Copies and Extract.)

(Signed) J. GROSE,
Secretary.

To the Chief Secretary to Government, F. D., with four enclosures.
" the President of the Local Fund Boards, Godavery District.
" the Superintending Engineer, 1st Division.
" the Controller of Public Works Accounts.

Exd. J. Tulloch.

1872.
Board of Revenue
MADRAS.

Proceedings, 6th July 1872, No. 1,225.

*Received* 16 July 1872

JULY.
No. 1,225.

*Road*—from Ellore to Vegaveram in Godavery District.—Estimate, amounting to Rupees 40,700, for constructing — submitted to Government for sanction. President Local Fund Boards requested to explain necessity for the work, and informed that proposed transfer to this road of Rupees 5,000 from allotment made for another road in Budget of 1871-72 cannot be effected.

*Encl.* to Gr. Proceedings, Dated 18th July 1872 No. 1330

N° 825. Godavery Distt.
District Engineer's Office
Dowlaishwaram
13th June 1873.

From
The District Engineer
Godavery District.

To
The Vice President
Local Fund Board
Ellore Circle.

Sir,

With reference to your letter of the 28th May 1873, N° 43. I have the honor to inform you that the allied project therein referred to, was sent in with my letter N° 1133 dated 22nd June 1872, to the President and transmitted by him to the Board of Revenue and this Board submitted the project for

the sanction of Government
in this proceedings of the
6th July 1872. No 1225.

2. At first it was proposed
to bring the road from Jun=
gareddigoodem to Dendulúr
and then along the Canal
and thence to Ellore but as re=
quested in your letters of
the 14th June 1872. No 68 and
No 3 dated 22d January 1872
and the discussion at one
of the Local Fund Board
meetings the line was
brought direct into Ellore
from Mundoor via
Yágaveram.

3. I request you will be
good enough to obtain the
orders of Government as
soon as possible on this
project as it is one of the
most important lines of
road leading into Ellore
and has been frequently
asked for.

I have the honor &c.

(Sd) J. F. Fischer
Lieut Col R. E.
Dist Engr Godavery

(True Copy)

E Thurst
Vice President.

MISCELLANEOUS No. 7778. REVENUE DEPARTMENT.

71

# PROCEEDINGS OF THE BOARD OF REVENUE.

*Dated* 22d November 1872.

Read the following

No 184.

From W. S. Foster Esqre
President

To J. Grose Esqre
Secretary to the Board of Revenue
Madras.

SIR,

With reference to para 4 of the Proceedings of the Board of Revenue No 1225 dated 6th July 1872, I have the honor to enclose the original letter No 70 dated the 22d ultimo from the Vice President of the Rajahmundry Circle, explaining the necessity for the road from Allore to Vegaveram.

I have &c
(signed) W. S. Foster
President.

Godavery district
Local Funds Office
Cocanada 1st November 1872.

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Submitted to Government

... continuation of Board's Proceedings
... July 1872 - No 1235.

(True Copy & Extract)

J Grose
Secretary.

... Office Chief Secretary to Government
Financial Department
with a copy of the Vice Presidents
letter

Secretary

SCELLANEOUS No. 4849

REVENUE DEPARTMENT.

# PROCEEDINGS OF THE BOARD OF REVENUE.

Dated 2d August —— 1873.

Read the following

No 64

m

W. S. Foster Esqre
President

J. Grose Esqre,
Secretary to the Board of Revenue
Madras

With reference to the latter part of para 35 of the Proceedings of the Board of Revenue dated 14th March 1873. No 379, I have the honor to submit the enclosed copy of the District Engineer's letter No 825 dated 13th June 1873, to the address of the Vice President of the Ellore Circle Board, from which it will be seen that the altered project referred to in para 35, of the Board's Proceedings above alluded to was submitted for the sanction of Government with the Revenue Board's Proceedings dated

No. R01170 of 1873.

Financial (Irrigation)

PROCEEDINGS OF THE BOARD OF REVENUE.

Mis. No 7778

Read Report Dated 13th August 1873

No 2382

Dated 22nd November 1873

Despatched —— ——

SUBJECT.

Submitting letter from the District Engineer Godavery Dt. Proposing, Endorsing Dt. 13th August 1873 with enclosures, and requesting sanction for road from Ellore to Vegavaram.

dated 6th July 1872 No. 1225.

2. I request that the orders of Government will be obtained on this project at an early date, as the District Engineer has informed me that it is one of the most important lines of road leading into Ellore.

I have &c
(Signed) W. L. Foster
President

Godavery District
Local Fund Office,
Cocanada, 18th July 73.

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Submitted for the early orders of Government with reference to Board's Proceedings 6th July 1872 No. 1225 and 22nd November 1872 Miscellaneous No. 7778.

(True Copy & Extract)

J Grote
Secretary

To,
The Chief Secretary to Government
Financial Department
with an original Enclosure
to be returned

1873

Financial Dept.

PROCEEDINGS OF THE BOARD OF REVENUE.

No. 1403

Dated 23 } August 1873.
Despatched 27 }

Read 6.

ent.

SUBJECT.

Submitting for early orders of Govt. letter from President of Local Fund Boards, Godavery Dt., requesting that early sanction may be obtained for proposed road from Cellore to Vegaveram.

With reference to the Govt. letter dated 22 July 1873 No. 1170. Read the letter from the Chairman of the Local Fund Board dated 23 August 1873 forwarding an estimate for the proposed road from Cellore to Vegaveram.

Read the Govt. letter dated 22 July 1873 No. 1170.

Read the letter from the Chairman of the Local Fund Board dated 23 August 1873 forwarding an estimate for the proposed road from Cellore to Vegaveram.

C.P.C.
R. 18-9-

Govt. of {1873} Madras.

Financial

To

The Board of Revenue.

&c

Dated Augt. 18

Read.

Desd.

G.O. 18 Augt., 1873, No. 1170.

Nos. /20 225

Ellore Circle. The Plan & Estt. amounting to Rs. 40,700 for the construction of a road from Vegaveram to Ellore Sanctd.