

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	1370	Press Mis.
	411-412	
Dated	20-6-1863.	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
20th June 1865.*

No. 411. Read the following letter from Captain J. G. RYVES, R. E., Superintending Engineer, 1st Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Waltair, 6th June 1865, No. 200:—

Sir,

1. I have the honor to submit, for the sanction of Government, the accompanying estimate (with survey sketch and plan of bridge) amounting to Rupees

2,700 for extending the Guntay and Kottapetta road in the Godavery District to the river bank at Bodipollem, and for constructing a bridge across the east bank channel (navigable) near that place.

2. The Board of Revenue have, on the recommendation of the Sub-Collector in charge of the District, approved of the work.

3. The cost of the work is to be charged to the Local Funds of the District, but no provision for expenditure in the current year having been made, I have suggested to Mr. Chase that he should submit a Supplemental Budget for the sanction of Government.

4. I take this opportunity to draw attention to my application dated 9th March last, No. 1,678, for a copy of the sanctioned Local Fund Budget for the current year. I have not yet received a copy.

Referred to the Revenue Department. The Local Fund Budget for 1865-66 is being passed through the Press.

FORT SAINT GEORGE,
15th June 1865.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government, P.W.D.

No. 412.

ORDER THEREON, 20th June 1865, No. 1,370.

Local Funds.

1. The proposed work appears to be portion of a more extended scheme.
2. The Board of Revenue will be requested to submit copy of the application made to them for sanction, and their orders thereon.

(True Extract.)

(Signed) W. HUDLESTON,
Acting Secretary to Government.

To the Board of Revenue.
,, the Public Works Department.

Erd. S. T. Augustin.

at top and 4'6" high plumb on the outside.

The

✓ 1

Specification of Continuation of Santay and
Kothapetta Road and Bridge at Bodipalem.

Earth work Road to $14\frac{1}{2}$ Yards wide at top
side slopes $1\frac{1}{2}$ to 1, trimmed ~~up~~ neatly and the
top surface properly levelled.

Bridge over East Bank Channel.

The Bridge to be of 40' clear span with 35' 0" water way, and a 5' 0" towing path.

Foundations To be on wells 6' 0" outer diameter filled with brick jelly well rammed. Of these wells there will be 6 under the East abutment and towing path and 4 under the west abutment. The wells will be 5' 0" deep and sunk to a depth of 6' 6" below the bed of the Channel.

Superstructure Upon the wells the masonry of abutments will be commenced: on the East abutment the breadth of 1st Footing will be 11' 6" x 12' 0". On the west 6' 0" x 12' 0" and 9 inches thick, the second footing of East abutment, will be 10' 6" x 11' 0" x 0' 9". West abutment 5' 6" x 11' 0" x 0' 9". Above the footing the west abutment and towing path retaining wall will be commenced, the former being 14' 6" at bottom 3' 0" at top plumb on the outside 16' 0" high and 10' 0" broad from outside to outside, the latter being 2' 6" at bottom, 1' 6" at top and 7' 6" high plumb on the outside.

The west abutment will be 14'-6" at bottom above the footings the outside^d plumb, the inside plumb for a height of 14'-6", thence battering off to 3'-0" at top. The wing walls will extend for a length of 19'-6" from the face of abutments the face of wing walls being perpendicular to face of abutment for a distance of 9'-0" from the face of abutment and thence being curved outwards with a radius of 12'-0". The thickness of wing walls will diminish by 2 Offsets (at equal distances) of 3" each, the width in bottom footing of the portion nearest abutment being 14'-6" of the end portion being 14'-0". The width of second footings being respectively 3'-6" & 3'-0" above footings the thickness at bottom to be 2'-6" for the portion nearest abutment, 2'-0" for the end portion, outside to be plumb, and the inside to have a total batter of 1'-0" in a height of 17'-6".

Parapet. Above the wing walls a parapet wall 1'-0" thick 3'-6" high with pillars at the ends 1'-6" square and with a neat moulding on the outside will be built.

The Masonry of abutments and wing walls to be stone in Chunar and of Parapet walls to be brick in Chunar.

The

The quoins of towing path retaining³ wall and of abutments to be of cut stone.

Roadway. The Roadway will be supported by a Queen post Truss. The dimensions of Tie beam will be 14'-6" by 12" x 7". The Tie beam will be scarfed in the centre and fished with wrought iron on upper and lower sides and bolted throughout with $\frac{5}{8}$ " bolts. A 1 $\frac{1}{2}$ " bolt will pass through the straining beam, and the centre of scarf. The scantling of principals and straining beam to be 8" x 7", of Queen posts 7" x 7", of Braces between Queen posts and centre iron bolt 6" x 6", of bearing joists 7" x 7". A cast iron cap will be fitted to be the top of Queen post, and 1 $\frac{1}{2}$ " inch bolt will pass through Queen post, Tie beam and bearing joist and support the truss; a cast iron knee will be bolted to the Queen post, Tie beam, and bearing joist and assist in supporting the Truss.

a Handrail 4" x 7" will rest on the straining Beam and be of the same length as the Tie beam.

The Roadway joists 9" x 14" will rest on the wall plates 9" x 14", and on the bearing joists. There will be 3 of these joists in the width of the Bridge. To these the planking will be nailed. The width of truss between the Queen posts to be 8'-0".

a

a guard rail 6' x 4' will be nailed to Queen posts and principals at a height of 2' 0" above Roadway.

The Roadway to be gravelled with 4 inches of gravel concrete.

1011 Range Office
Gannaram
7th February 1865

J. W. Rundaib
Executive Engineer

[Signature]
Capt. R. E.
Superintendent 1st Division

1865/65
11/11-1/12

Abstract Estimate for continuation of Gantay & Kothapetta Road and Bridge at Bodipalew in the Amalapur Taluk.

Number Quantity	Description of work.	Rate Per	Amount	Total.
			R. a. p.	R. a. p.
	<u>Road.</u>			
6930	Cubic Yards of Earth work	11 C. 2	397. 6	
	Cutting bushes		20. 6	
	Superintendence and sundries		417. 6	
			42156	460. .
	<u>Bridge</u>			
	<u>Masonry.</u>			
10 1/2	Wells filled with Brick jelly	128. 1	125. .	
46 1/2	Cubic Feet stone in Chunar	.28 C. 4	129. 25	
158 1/2	do but stone	.8. .	126. 8	
11 1/2	Squares Plastering 2 Coats	3. .	34. 8	
	Gravelling Road way		25. .	
	Superintendence & sundries		1057. 157	
	Total Masonry		1021. 211	
			1168. 16	
	<u>Truss.</u>			
266 1/2	Cubic Feet Oak wood wrought	28. 8	666 4. .	
470	Wrought iron Bolts, nuts & washers	.26 lb.	73 7. .	
1000	do Cast Iron	180. .	80 58	
	Paint and Painting		30. .	
	Workshop Superintendence		850. 8	
			203 154	
	Carriage to site and erecting Truss		36. .	
	Total Truss		1090. .	2245. .
	Total of Bridge			2250. .
				Rupers 2410. .

1011 Range Office
Gannaram
7th February 1865

J. W. Rundaib
Executive Engineer

[Signature]
Superintendent 1st Division

[Signature]
Superintendent 1st Division

In a letter No 222 d/17th Feb^y 1865.

From

Mr. Wm. Sale Esq
Executive Eng^r

to
The Chief Engineer
Division

Dated 7th Feb^y 1865.
Recd.

Estimate for continuation
of Survey and Mapping
Road & Bridge at Chas
Johann in North Range
amounting to Rs 2910

1865 222 d/17

Mr. Wm. Sale Esq

Executive Eng^r

to

The Chief Engineer
Division

Dated 10th Feb^y 1865

Recd.

No 57

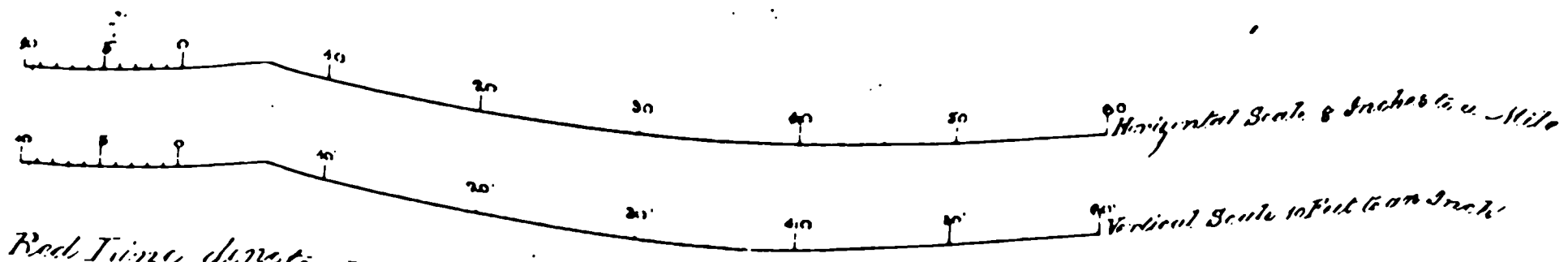
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Estimate for continuation
of Survey and Mapping
Road & Bridge at Chas
Johann in North Range

Am 17th 1846 of 1825

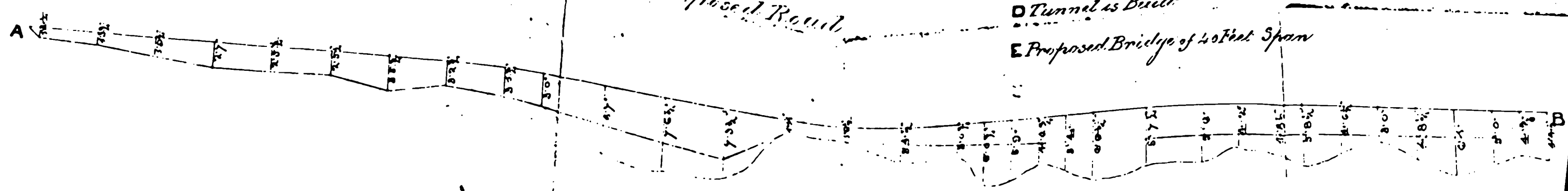
27/22/65

Surrounding Levels
and Proposed Road
from the Pullerella Bridge on East Bank Channel.



Red Line denotes Finished Road
Yellow Line denotes Proposed Road

- C Bridge of 40 Feet Span Built*
- D Tunnel is Built*
- E Proposed Bridge of 40 Feet Span*

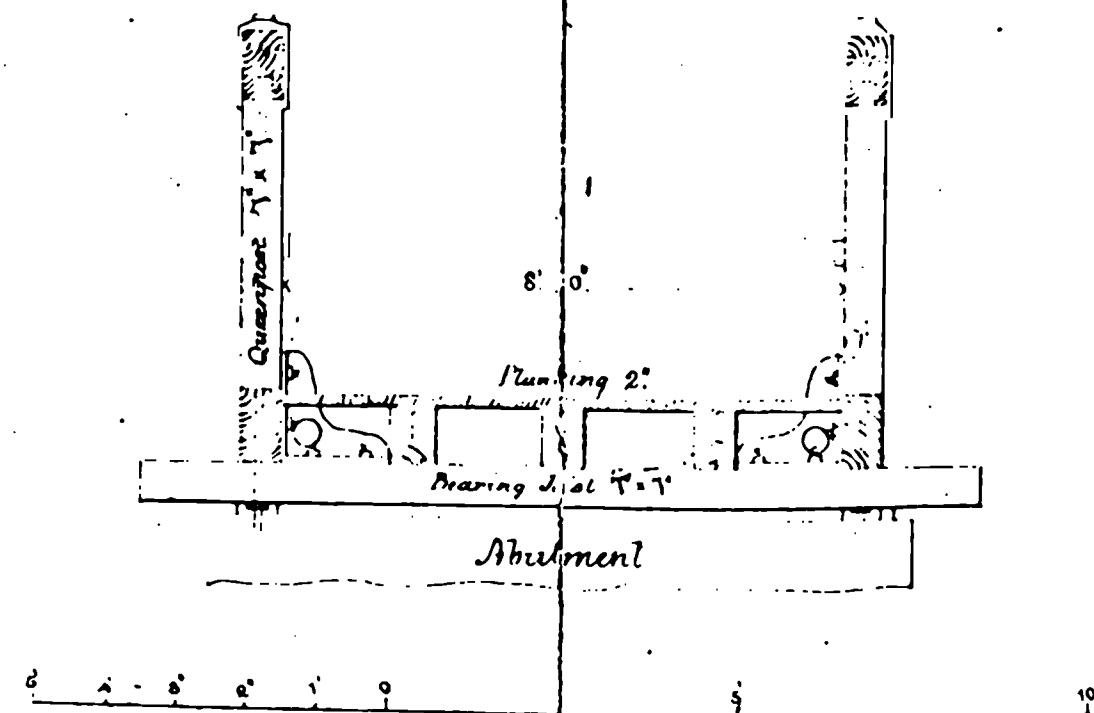


W. J. Jones *Capl RE.*
Sup to Engineer 1st D.A.

CENTRAL DELTA RANCE

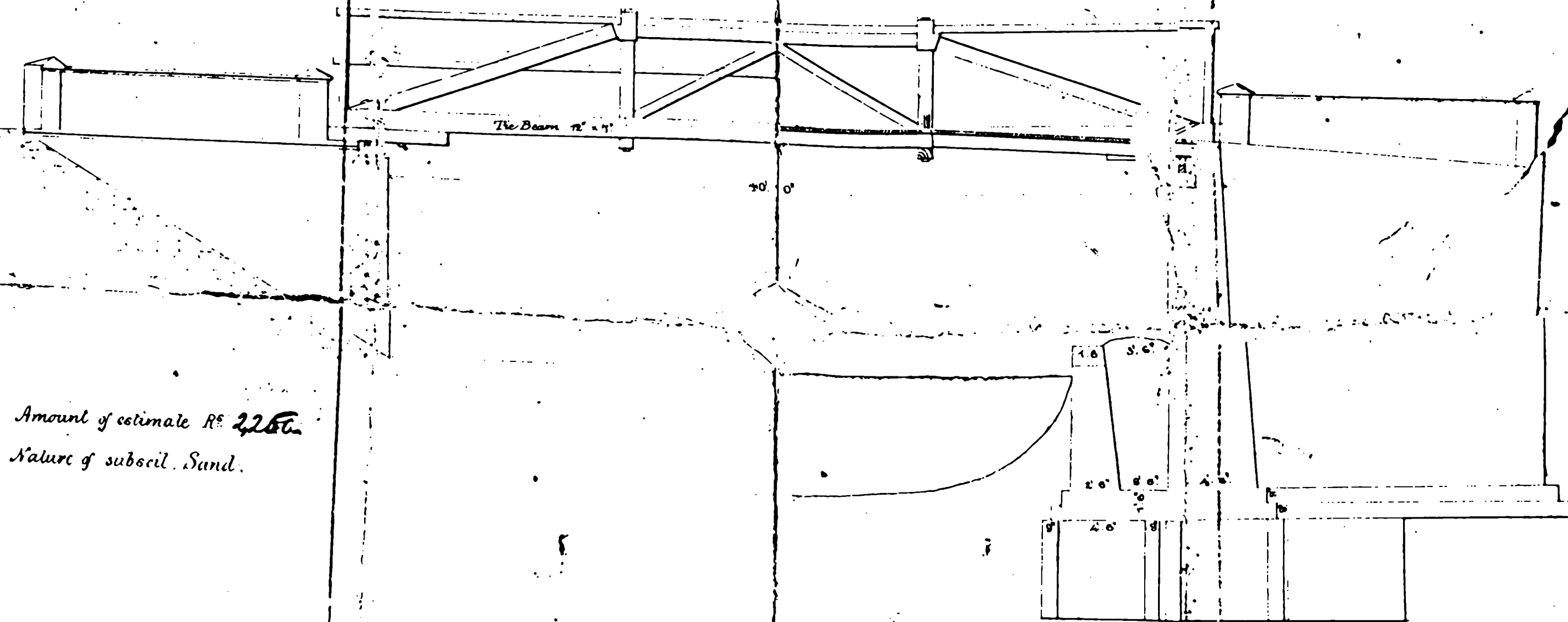
DESIGN for a BRIDGE across the EAST BANK CHANNEL at KOTTAPETA

Section thro' Truss

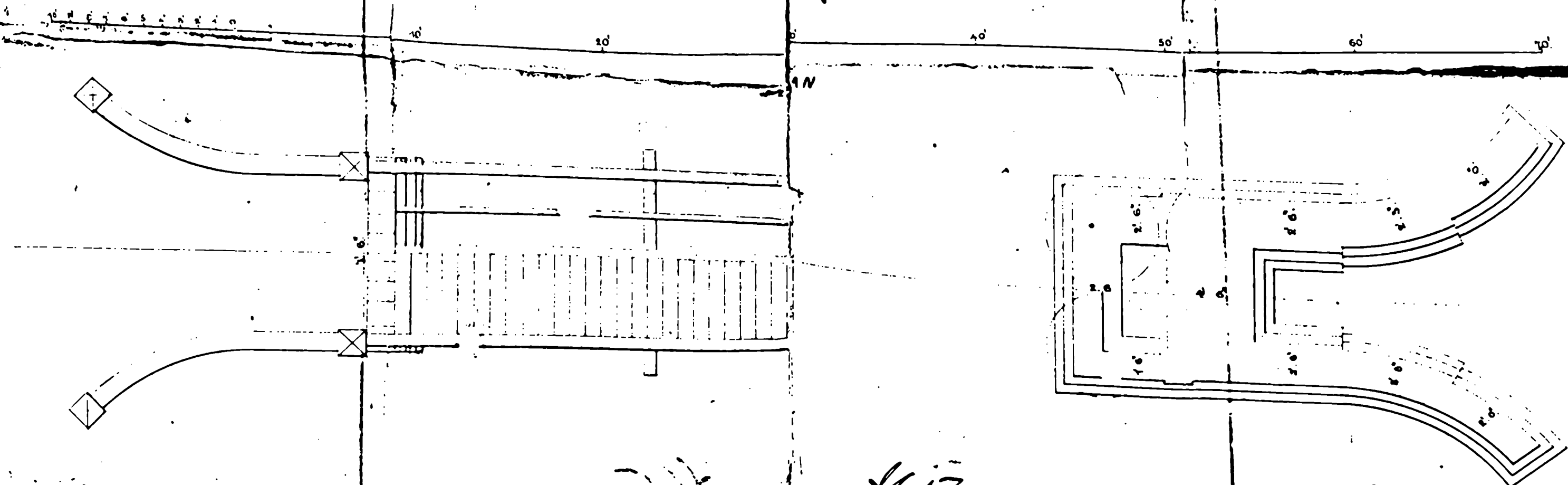


HALF ELEVATION

HALF SECTION



Amount of estimate Rs 22500
Nature of subsoil Sand.



The proposed work

in ~~appearance & construction~~
appears to be for the purpose of a
more extended scheme.

The B. of the. will
be required to submit
copy of the app. made to
them for sanction. & their
order thereon.

14. To the B. of the. on 21 June 20. June 1865
at the B. of the. S.

1865. 11th

See a letter from the

the collector of the

to the Secretary of the

of the B. of the.

under the B. of the.

the B. of the.

11th

Chair of the B. of the.
the East India Company
of the B. of the.

Referred to the
Provincial Department -
The Local Fund
Budget for 1865/66 is
being passed through
the Dept.

Amulak. M. R. R.

Secretary to Govt
Pub Works Dept.

Fort St. George

15th June 1865

By Order of Secy
27 June 1865

W. H. H. 20

W. H. H. 20
15-6-65

Referred to the
Provincial Department -
The Local Fund
Budget for 1865/66 is
being passed through
the Dept.

The Secretary to Govt
D. P. M. Madras

Dated 6th
Dispt. June 1865
Received 18th July
No. 200

Submitted for sanction an
estimate, under Survey & Estab.
and Plan of Bridge, amounting
to Rs. 2700 for extending
the Guntur and Kottapetta
road in the Godavari Dist.
10/10/65. W. H. H.

Referred to
W. H. H.