

(1) Number of pages 28(2) Date of repair 24-8-68

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.G.O. No. 3948Press
Mis.427-28Dated 17-12-1868.Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
17th December 1868.*

No. 427. Read the following Proceedings of the Board of Revenue, dated 18th November 1868, No. 8,165 :—

Read the following letter from the Acting Collector of the Kistna District, to the Acting Secretary to the Board of Revenue, dated 12th October 1868, No. 299.

1. I have the honor to forward an estimate, amounting to Rupees 3,660, for raising the track of Salt road from Parikeed to Bantumilly lying near Argole, and building nine tunnels of sizes across streams which intersect it.

2. The necessity for the work is fully stated in the enclosed copy of a letter from the Superintending Engineer.

3. I approve of the project, and request the Board will be pleased to obtain the sanction of Government for the estimate, which is entered in the Salt Budget for the ensuing Official year 1869-70.

4. The work will be executed by the Department of Public Works.

ENCLOSURE No. 1.

From the Superintending Engineer, 2nd Division, to the Acting Collector of the Kistna District, dated Bezoarah, 5th October 1868, No. 165.

2 Plans.
3 Detailed Estimates.
2 Abstract do.
1 General Abstract, Rupees 360.
1 Specification Report.

1. I have the honor to forward an estimate, amounting to Rupees 3,660, for raising the track of Salt road from Parikeed to Bantumilly, lying near Argole, and building nine tunnels of sizes across streams which intersect it.

2. The portion of country traversed, is of the very worst description of black soil, and nearly impassable whenever rain falls. The tunnels will, I hope, do much towards improving it, whilst raising the road in the worst parts will facilitate the drainage of the water.

3. Should you approve of the work, I request after countersignature, you will forward the estimate for the sanction of the Revenue Board and Government. If your Salt Budget for 1869-70 has not yet been despatched, I would suggest that the work be entered therein for execution during next year.

ENCLOSURES Nos. 2 and 3.—Plans.

ENCLOSURES Nos. 4 to 8.—Estimates.

ENCLOSURE No. 9.—Specification Report.

1. The estimate, amounting to Rupees 3,660, will be submitted for the sanction of Government.

2. The Board are of opinion that this, as an Imperial work, should be entered in the Public Works Budget for 1869-70.

(Signed) F. BRANDT.

Transferred to the Public Works Department, the road in question having been declared to be an Imperial road in the G. O., under date November 11th 1868, No. 2,831.

23rd November 1868.

(Signed) R. A. DALYELL,
Acting Secretary, Revenue Department.

Proceedings of the Madras Government, Public Works Department.
17th December 1868.

No. 428. ORDER THEREON, 17th December 1868, No. 3,948.

CIVIL WORKS, No. 48.

The Government approve of the estimate of Rupees 3,600, for improvements to the Salt road between Parikood and Bantumilly near Argole in the Kistna District, but as the Budget for 1869-70 has been closed, no provision can now be made in it for the work. The Government will, however, endeavour to allot the requisite amount from the Reserve, on an application being made by the Superintending Engineer of the 2nd Division, after the 1st April next.

(True Extract.)

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

To the Board of Revenue.
.. Revenue Department.
.. Superintending Engineer, 2nd Division.

Ed. G. A. Turton.

Govt. of (1868) Madras.

PUBLIC WORKS

No. 8,165.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 18th November 1868.

Read the following letter from W. McQUHAE, Esq., Acting Collector of the Kistna district, to the Acting Secretary to the Board of Revenue, dated 12th October 1868, No. 299:—

I HAVE the honour to forward an estimate, amounting to Rupees 3,660, for raising the track of Salt road from Parikeed to Bantumilly, lying near Argole, and building nine tunnels of sizes across streams which intersect it.

2. The necessity for the work is fully stated in the enclosed copy of a letter from the Superintending Engineer.

3. I approve of the project, and request the Board will be pleased to obtain the sanction of Government for the estimate, which is entered in the Salt Budget for the ensuing official year 1869-70.

4. The work will be executed by the Department of Public Works.

ENCLOSURE No. 1.

From Lieutenant-Colonel G. V. WINSCOM, R. E., Superintending Engineer, Second Division, to the Acting Collector of the Kistna district, dated Bezoarah, 5th October 1868, No. 165.

- 2 Plans.
- 3 Detailed Estimates.
- 2 Abstract do.
- 1 General Abstract, Rupees 360.
- 1 Specification Report.

I HAVE the honour to forward an estimate, amounting to Rupees 3,660, for raising the track of Salt road from Parikeed to Bantumilly, lying near Argole, and building nine tunnels of sizes across streams which intersect it.

2. The portion of country traversed, is of the very worst description of black soil, and nearly impassable whenever rain falls. The tunnels will, I hope, do much towards improving it, whilst raising the road in the worst parts will facilitate the drainage of the water.

3. Should you approve of the work, I request, after countersignature, you will forward the estimate for the sanction of the Revenue Board and Government. If your Salt Budget for 1869-70 has not yet been despatched, I would suggest that the work be entered therein for execution during next year.

(True Copy.)

(Signed) W. McQUHAE,
Acting Collector.

ENCLOSURES Nos. 2 and 3.—Plans.

ENCLOSURES Nos. 4 to 8.—Estimates.

ENCLOSURE No. 9.—Specification Report.

The estimate, amounting to Rupees 3,660, will be submitted for the sanction of Government.

2. The Board are of opinion that this, as an Imperial work, should be entered in the Public Works Budget for 1869-70.

(True Copies and Extract.)

Acting Sub-Secretary.

To the Acting Secretary to Government, R. D.,

with six estimates, one report, and two plans.

Copy to the Acting Collector of the Kistna district.

Exd. J. Wright.

Salt Road Estimate of Rupees 3,660 for improvements to the Salt road between Parikeed and Bantumilly near Argole in the Kistna district, approved, and funds promised to be provided on an application after the 1st April next.

Proposed to be made

1868

BOARD OF REVENUE, MADRAS.

1868.

Proposed to be made

1868

Proposed to be made

1868

NOVEMBER.

No. 8,165.

22/11/68

Improvements to Salt road—from Perked to
Bannunally in Kistna District—Estimate, amount-
ing to Rupees 3,660, for, submitted for sanction
of Government.

Pro. of Loc. of the
Farm

The Secy. to Govt

Rev. Dept.

of 23rd }
Oct 27 } P.V. 100

Encl 8

Transferring to
of the Rev. on
an estimate of \$3666
for improvements to
the salt road from
Reikerd to Buntunilly
in the Taitua Dist
with a view to the
work being entered
in the P.M. Imperial
Budget of 1869-70.

Act 127

265 Nov 168 CR 111

no 8948. 17 Dec 1868

1868 Dec 1

Re a letter from the
acting Collector of
Taitua District dated
12th October 1868

N: 299

Rev. 3680/68

W. H. 4/16/68

Estimate of the
probable expenses for
construction of
tunnels and making
improvements to Salt
Road from Reikerd
to Buntunilly.

Encl 14/15/68

Enclosed in a letter from
the Sup^d Engrs^l Division
to the Collector of Krishna Dist.
D. L. N. No 163 of 5th Feb 1869

Estimate of the probable
Expense for Constructing certain
Tunnels and making Improvements
in the neighbourhood of Argale to
the Salt Road from Buntimally
to Parthas amounting to Rs 3660-

1st of 1869/70

DETAILED ESTIMATE No. 17 of 1868. 69

Krishna District - 8th Bazarah Range

Work

Estimate of the probable Expense for Constructing the
Argale Road with the necessary masonry Tunnels.
Top width of Road to be 6 yards with side slopes 1 1/2 to 1

Particulars.	Number.	Measurement.			Cubical Contents.
		Length.	Breadth.	Height.	
From the Village of Anamole along its tank bank of Ellore Canal near Pithed.		160	6 3/4	1/2	540
		1600	6 1/2	1/3	3466 2/3
		87	6 3/4	1/2	293 5/8
					4300 7/24

Sup^d Engrs^l Office 2^d Divⁿ
Benarabad October 16th 68-

Commissioner Genl^l Bd^l AC^l
Superintending Engrs^l 2^d Divⁿ

Mr 4/10/88

Particulars.	Number	Measurements		
		Length	Breadth	Height
Return	4	470	20	40
Arch backing	2	700	20	30
Blocking course	2	200	50	40
Parapets	2	250	20	20
	2	250	20	20
		400	100	
		700	70	
Arch	1	700	5	10
Pointing				
Abutments	2	700	0	70
Wing Walls	4	250	0	70
Return	4	400	5	40
Soffit of arch	1	700	5	0
Face of do	4	200	70	10
Parapets	2	900	75	60
Floor under arch		700	5	70
8' front and rear		1000	0	60
		400	60	60
		600	60	60
		600	60	60

Supr Engineer Office
2nd Division
Bazawadah.
October 1868.

Leopoldo L. de la Roca
Superintendent Engineer 2nd Division

Abstract Estimate No. 19 of 1868/69
6' in Bazawadah Range

80

Work. Constructing a masonry Tunnel of 1 Vent of 4 1/2 span
Single Road

Quantity	Description of Charges	Rate	Amount	Total
16.05	Yds of Concrete laid	4	64	3 2
6.89	do of Sully	2 8	17	3 7
37.70	do of Brick in Churnam	5	188	8 "
5.26	do of Arch Work	5 8	28	14 10
6.10	Squares of Pointing	1 8	9	2 5
	Excavation of foundation & filling		15	" "
	Centering		5	" "
	Superintendence & Sundries		17	" "
	Total Estimate cost for one tunnel			345 "
	6 similar Tunnels			2070 "
	Total Estimate cost of seven			2415 "

Engine Office
2nd Division
Bazawadah
October 1868.

Leopoldo L. de la Roca
Superintendent Engineer 2nd Division
M. M. Dubois
Acting Collector

Work

Constructing a masonry Tunnel of 2 Vents of 4 1/2
Span on Angled Road.

Particulars.	Number.	Measurement.			Cubical Contents.
		Length.	Breadth.	Height.	
<u>Concrete</u>					
Shine including abutments	1	18-0	7-5	1-0	315-0
Front and rear floors	2	24-7	0-1	"	336-0
Return	4	1-5	2-25	1-0	13-5
			Off		664-5
			Off		24-61
<u>Plaster</u>					
Floor under arches	2	4-0	7-5	1-25	175-0
8" front and rear	2	14-75	4-5	1-25	165-75
			Off		340-75
			Off		12-62
<u>Foundation</u>					
Abutments	2	17-5	2-5	2-0	175-0
Piers	1	20-0	2-0	2-0	80-0
Wings	4	6-5	2-25	2-0	117-0
Returns	4	4-75	1-5	2-0	57-0
Retaining Walls	2	20-5	1-5	2-0	123-0
Floors		8-	17-5	0-75	105-0
8" front and rear	2	14-75	4-5	0-75	99-56
Super structure					
Abutments	2	17-5	2-25	2-0	157-5
Piers / Centre Square	1	19-5	1-5	3-0	87-75

Pr 4616/68

Subtotal No 14754/68

Particulars.	Number.	Measurement.			Cubical Contents.
		Length.	Breadth.	Height.	
Wings	4	6-51-653-12			133-84
Return	4	4-75-252-0			47-5
Backings to Arch	2	17-50-25-25			98-43
Spanners	2	17-50-75-75			9-84
Blocking Course	2	14-01-5-0-5			21-0
Parapets	2	14-01-25-1-0			35-0
					cf 6-1347-42
					cf 4-50-0
Arches	2	17-56-1-25			262-5
					cf 6-262-5
					cf 4-9-72
Pointing					
Abutments	2	17-52-0			70-
Piers	2	17-52-0			78-
Wings	4	8-55-0			170-
Return	4	4-03-5			58-
Support of Arch	2	17-55-0			175-
Face of D	4	4-51-75			31-5
"	2	2-51-75			3-75
Parapets	2	15-53-75			116-25
Flanking Arches 2x17-5x4-5					157-5
3rd front View 2x16-0x6-0					192-0
Square feet					1055-0
Square					10-55-
Excavating foundation					
Centering					

Abstract Estimate No 19 of 1868-69

Port Dargach Range

Work - Constructing a masonry Tunnel of 2 Vents of 4 1/2 ft span on Bridge Road.

Quantity	Description of Charges	Rate	Amount	Total
24-61	Yds of concrete for 4	4 " "	98 7 "	
12-62	Yds of Selly	2 8 "	31 8 9	
50-0	Yds of Brickwork	5 " "	250 " "	
9-72	Yds of Arch Work	5 8 "	53 7 4	
10-55	Square of pointing per Sq	1 8 "	15 13 2	
	Excavating foundation & filling	" " "	20 " "	
	Centering	" " "	10 " "	
	Superintendence & Sundries	" " "	22 12 5	
	Total Estimate Cost for one Tunnel		505 " "	
	A Similar Tunnel	" " " "	505 " "	
	Total Estimate for two		1010 " "	

Supr Engineer Office
2nd Division
Baramahal
Cota Dec 1868

Recommended by
Superintending Engineer 2nd Division

Mr. 461/68

Sept 12 No 4754/68

Specification Report to accompany
Plan and Estimate for Constructing a Tunnel
of 4 1/2 Span on Angola Road

- 1 Foundation of abutments to be 2 1/2' thick & Wing walls to be 2 1/2' in thickness at abutments & 2 ft at the extremity. Retains to be 1 1/2 ft in thickness the whole to have a foundation of 2 ft deep on a layer of concrete which is to be 1 ft in depth.
- 2 Retaining walls to be 1 1/2 ft in thickness & 2 ft deep.
- 3 Flooring between abutments & wing walls to be 9" in thickness a layer of brick jelly which is 1 1/2 ft deep.
- 4 Superstructure of abutments to be 2 1/2 ft thick & raised to 62 ft in height the curved line to be 1 ft giving a total height of 3 ft to the soffit of arch.
- 5 The height of wing walls at abutments to be 1 1/2 ft and at the extremities 2 ft in height. Retains to be 6 ft long & 2 ft high.
- 6 The uniform width of wings & returns to be 1 1/2 ft in thickness & batter being on on twice.
- 7 The length of the arch to be 17 1/2 ft & 1 1/2 ft in thickness. the blocking course to be 1 1/2 ft in thickness & 1/2 ft high.
- 8 Parapets to be 8 1/2 ft in length 1 1/2 ft in breadth & 1 ft in thickness.
- 9 The clear width of road way to be 15 ft.
- 10 The foundation & sleeper structure to be

brick in Chumam on Concrete & whole work
to be neatly pointed

I.D. A similar Report will be applicable
to 2 Vento tunnel of $1\frac{1}{2}$ ft span each.

Major D. A.D. Egecome C.R.E.
6th May 1868
District Engineer

Supd. Office D.D.
Major D. } Commis. Major D.D.
October 68 } Supd. Engineer D.D.

Subd. 10/7/54/68

Lr 4516/68

Abstract Estimate No. 1868-69.
Bazwarah Range Nivara District.
Estimate of the probable Expense for adding certain
Tunnels and Making Improvements in the neighbour hood
of Angla to the Salt Road from Bm. to Nivara to Perikha
Top width of Road to be 6 yards, with side slopes $\frac{1}{2}$ to 1.

Quantity	Description of Charges.	Rate	Amount	Total
4300 $\frac{1}{2}$	Excavation of Earthwork - 10 ft. deep	10	223 15 7	
	Superintendence & Sundries	5	11 0 5	235 0 0
	Cost for 2 necessary Tunnels of 2 Vents of $1\frac{1}{2}$ ft. span as per detailed Estimate attached, Each at	505	1010 0 0	
	7 - 10 ft. of $1\frac{1}{2}$ ft. span each at	345	2415 0 0	3425 0 0
Total Estimate Proper				3660 0 0

Supd. Engineer's Office
2nd Div.
Bazwarah.
5th October 1868

Commis. Lt. Colonel R.E.
Superintending Engineer. D.D.

3M
Mun. 11-12 Oct 1884 to 1885

Pr. 4516/68

Rev. 3680/68

Engul No 4754/68

Public Works Dept
No 3948
Proceedings of the Madras Government
Under date 17 Dec 1884
Read the following
Order of the Board of Revenue - (N.E. No 8150723 No 108)

The Government
approve of the estimate
of Rs. 3,660 for im-
provements to the salt
road between Parikud
and Bantumilly near
Urgob in the Puduk
District, but as the
Budget for 1889-90 has
been closed, no provision
can now be made in
it for the work. - The
Government will however
endeavour to allot the
requisite amount from

Wm
A.A.

the Reserve, on an
 application being made
 by the Superintendent
 Engineer of the 2nd div.
 after the 1st April meet-

7
 8 The B^d of Rev.
 8 Rev. Secy
 6 S. Eng. and Bul
 + Control
 + Secy
 Secy 18/12/88
 2/12/88

Ac 4616

Govt. of 1868: Madras.

PUBLIC WORKS.

The Board of Revenue

Secy. Secy. Secy.

Dated

Recd.

Recd.

G. O. 17 Decr 1868. No. 3968

No. 127 of 1868

Salt road Estimate of Rs 3660
for improvements to the Salt
road between Perikere and
Bantannilly near Ayole in
the Kistna D^y, approved, and
funds promised to be provided,
on an application, after the
1st April next.

C. 26 Madras 1868 R. 11 Decr 1868

2/12/68