

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

public works DEPARTMENT.

G.O. No.	1449	Press
		Mis.
623-624		
Dated	18-5	1864

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
18th May 1864.*

No. 423. Read the following Proceedings of the Madras Government in the Military
Department:—

Approving of the Estimate of Rupees 1,110 for constructing
a Gram-boiling shed at Trichinopoly for the use of the } (Here enter 9th May 1864, No. 1,568.)
Artillery.

No. 424. ORDER THEREON, 18th May 1864, No. 1,449.

1. Communicated to the Superintending Engineer, 6th Division, for information and
guidance

• Under the head "Military."

2. The cost of the work will be met from the Reserve* Fund.
(True Extract.)

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

To the Superintending Engineer, 6th Division.

„ Accountant General.

„ Controller and Auditor of Public Works Accounts.

Exd. S. T. Augustin.

New York

Work.

Work. Constructing a Grain Boiling Shed, with stone
Room & Drying place for the Battery of Artillery at
Trichinopoly.

Quantity.	Description of Work.	Rate.		Amount.		Amount of Each Part.	
		Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
3243 ⁷ / ₃₂ 3179 ¹ / ₁₆	Cft. of Brick Work in Mortar & Cft.	"	19	35	11	7	
169	Spl. ft. of Paving old stone in Mortar for Drying place — \$ 49	7	"	11	13	5	
408 ¹ / ₄	Spl. ft. of Plastering — \$ 49	"	3	7	11	6	
131 ¹ / ₄	2 ^d Roofing with Palmyra Complete Collar Beams repairs Gable flat & Pantiles & Chimney borders — \$ 49	20	"	26	2	11	10
175 ¹ / ₂	2 ^d Flooring with wall bricks Laid flat in Mortar — \$ 49	3	"	1	4	3	
22	Iron Fire Bars each 4 feet long 1 inch 49	5	"	11	"	"	
2	Country wood Pattern Doors with frames Iron work Pad locks Complete — each	20	"	40	"	"	
2	Iron Plated Door with Bolts Hinges &c Complete — each	15	"	30	"	"	
1	Iron Caddies each 3 ¹ / ₂ feet diameter 1 ¹ / ₂ ft deep — at	25	"	100	"	"	
1	Immovable Metal Door with frame &c in the top of the Chimney height Extra Cost of Fire Bricks from Madras —	5	"	5	"	"	
170	Spl. ft. of Heavy Cement tile work & 49	5	"	8	5	"	
1	Iron Stairs			5	"	"	
1	2 ^d Plaster to strengthen the ashtray			5	"	"	
1	Paint & Paper Iron			5	"	"	
	Excavation			15	"	"	
	Scaffolding			15	"	"	
	Insolvent & Contingencies			100	3	7	
	Total Estimate			107	2	8	
	Total Estimate					1110	11

Trichinopoly Dist. Engrs Office }
 12 February 1863 }
 [True Copy] }
 Signed W. H. Palmer Esq. }
 District Engr. }
 Trichinopoly }
 Major W. H. Palmer Esq. Captain }
 Engrs & Co. }
 Off. Sup. & Engrs & Co. }
 Executive Engineer }
 Trichinopoly }

5

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—
From the Officiating Superintending Engineer 6th Division, Tanjore, 18th April 1864, No. 2448 ;
to the Secretary to Government, Public Works Department.

With reference to the Order of Government, dated 29th September 1862, No. 2334,
entered in the List* of unanswered references,
I have the honor to enclose Plan and Estimate
amounting to Rupees 1,110, for constructing a
Gram-boiling Shed at Trichinopoly for the use
of the Artillery on the principle of Duff's Cook-
ing Range.

Enclosures.
1 Estimate.
1 Plan.
1 Report.

* Vide Government Order, No. 694, dated 7th
March 1864.

TRICHINOPOLY CANTONMENT.
Artillery Barracks.

Report to accompany the Estimate for constructing a Gram-boiling Shed on the principle of
Duff's Cooking Range.

Amount of Estimate, Rupees 1,110, comprising the following items :—
For Details, see accompanying Abstract Estimate.

2. The principal walls and pillars are to be 8 feet high and by 1½ feet thick, built up founda-
tions 2 feet broad and 2 feet deep sunk in hard soil.
3. The Building is to contain three rooms, viz., two rooms each 8 feet long by 12 feet
broad, interior dimensions at each end of the building.
1 Shed for Gram-boiling, 51 feet long by 12 feet broad do. do.
4. There are twelve arch-ways, 7 feet span each to be formed in front and rear of the Shed,
Honey-Comb tile work is to be built in the walls in lieu of windows.
5. The floor is to be paved with wall bricks laid flat in mortars.
6. The roof is to be erected with Palmyrah couples Collar pieces, Nails, Pantiles and
Chunam borders.
7. Provision is also made in the Estimate for constructing inside the Shed a range of two
Caldrons fed by a stove on each side of a centre Chimney.
8. Each fire-place is to be 3'-6" across 1'-2" wide, and 2'-1" high and supplied with a feeding
door 10" long by 2'-1" deep, the upper and lower projections to be 1 inch wide, and to have end
projections 3" wide on which the door-hinges and the catch is fixed. The (Door?) to overlap the
openings all round.
9. The fire-bars to be fixed in the two side walls.
10. The flues as well as the fire places to be lined with fire bricks.
11. The Chimney shaft to be 20 feet high resting on foundation 2'-11" deep sunk in hard
soil, with a moveable metal cover to protect the interior from the weather. The interior diameter
of the shaft to be one foot.
12. Four Iron Caldrons are to be provided for boiling the Gram in 3'-6" diameter above
and 1'-9" deep to be fixed in the range as shewn in the Plan.

TRICHINOPOLY, DISTRICT ENGR'S OFFICE, } (Signed.) W. C. PALMER, Captain,
4th February 1864. Ag. District Engineer Trichinopoly.

Referred to the Military Department, with reference to the Orders in that Department,
No. 3266, dated 23rd September 1862. (Signed) C. A. ORR, Colonel, R. E.,
Secretary to Govt. P. W. D.

22nd April 1864. ORDER, No. 1568, 9th May 1864.

Approved for execution.
2. His Excellency the Commander-in-Chief will be requested to submit a Report on the
experimental Stove provided for the Gram-boiling Shed after a fair trial.
(True Extract.)

Amundson
Deputy Secretary to Government.

To the Public Works Dept., with a Plan and Estimate. 8-20 of 1864.
" Quarter Master General.
" Remount Agent Overseer, for information.
Ed. G. Rodriguez

49/912/116

1864 Sept 20
Gov of Iowa for Iowa
No 2116

Pro of Govt in the
Military Dept

Descty { May
Revenue 1863

Q 2. 1863

Aug 11/19 - 18th Nov 1864

Approving of the
Return of Rs 1110 from
disrupting a train. Being
this at Springfield
for the use of the military.

With an Order

11/19

Aug 11/19

Communicated to the Superintendent
Engineer 6th Division for information and
guidance.

Q: The cost of the work will
be under the head of the "Head Military"
and from the Revenue Fund

Sept 12 1864

At St

To the Major Capt & Lt of
the 1st Cavalry General
"In Contention of the Accounts"
RPT

No 420. 424