

(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.	2283	Press
B.P. No.		Mis.
Dated	18-8-	1874
		195

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
18th August 1874.*

No. 369. Read the following letter from Lieutenant-Colonel J. GODDARD, R.E., District Engineer, Presidency, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Fort St. George, 23rd July 1874, No. 1,892:—

With reference to G. O., No. 1,125, of 30th April 1874, and to your tele-

3 Plans.

1 Abstract of Estimate.

1 Specification Report.

gram received on the 17th July 1874,

I have the honor to submit, for sanction,

plans, estimate, and specification report,

amounting to Rupees 26,430, for a new glazing and pump house and shed, also for casing the earthen mounds in the Gun Powder Factory.

2. The project has been approved of both by the Inspector-General of Ordnance and Magazines and by His Excellency the Commander-in-Chief. The work is in hand under orders conveyed in the telegram above referred to.

3. The estimate provides for everything necessary. The rates are reasonable and sufficient, and no supplementary works will hereafter be required.

4. Since receipt of the telegram G. O., No. 189, of 21st July 1874, has been received, which intimates that funds for this work are to be provided by transfer from the current year's allotment for Warrant Officers' quarters at Royapooram after it is decided whether the quarters are to be constructed or not.

No. 370.

ORDER THEREON, 18th August 1874, No. 2,289.

MILITARY WORKS, No. 6.

His Excellency the Governor in Council sanctions the plans and estimates submitted with this letter, amount-

ing to Rupees 26,430, for a new glazing house, pump house, and shafting shed, for an additional masonry traverse, and for casing an earthen traverse in the Gun Powder Factory, Madras. It is, however, remarked that the concrete bed of the glazing and reeling house would appear to be of unnecessary thickness considering the light character of the superstructure, unless justified by the necessity of reaching some particular stratum of soil at the depth fixed.

2. A sum of Rupees 20,000 has been provided by transfer for the work.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Presidency.

„ Military Department.

„ Officiating Controller of Public Works Accounts.

Exd. S. T. Austin.

Spare Copies

Specification Report to accompany and Estimate
for constructing a new Glazing room, a Pump house, and a
shed 80 feet long for protection of driving shaft together
with masonry traverses at the Gun Powder Factory at
Madras. Amount of Estimate Rs 2,400-0-0

The Glazing room is to be 80 feet long and
30 feet wide in the clear, with a verandah along the
whole front, and a back verandah 12 feet long.

The whole construction to rest on a bed of con-
crete 7 feet deep. The concrete to be well rammed.

The foundations under wooden posts and retain-
ing walls between them are to be built over the con-
crete bed up to the ground line as detailed in the
plan and Estimate.

Halls, roofs, and floors are to be of teak-
wood as exhibited in the plan and Estimate. The
scantlings of the principal woodwork are as
follows:-

Wooden posts each $13' \times 7\frac{1}{2}' \times 7\frac{1}{2}'$
Verandah posts $9' \times 8' \times 8'$
Bespummers $4' \times 8' \times 8'$
Posts for flooring $22' \times 10' \times 4'$
Tie beams $30' \times 8' \times 8'$
Queen posts $7\frac{1}{2}' \times 10' \times 6'$
Straining beams $9' \times 8' \times 6'$
Principal rafters $11' \times 8' \times 6'$
Struts $4' \times 4' \times 4'$
Purlins $4' \times 4' \times 6'$
Ridge beam $32' \times 3' \times 9'$
Rafters $31\frac{1}{2}' \times 2\frac{1}{2}' \times 5'$

The principal room to be boarded with
 $\frac{1}{2}$ inch

1½ inch thick planks, the verandah with 1" thick planks.

The walling to be of ¾ inch planking with nails on the outside only.

The roof is to consist of 1½ inch thick planks placed vertically from ridge to eaves ^{rebated} ~~rebated~~ with thin batten to be screwed down over each joint to exclude water.

Two doors panelled 7½ x 6½ each with frames brass folding hinges and bolts &c. complete, also 1½ pairs of panelled window shutters 6½ x 3½ each, and 1½ pairs of glazed window shutters complete.

All the wood work in the interior to receive three coats of ^{white} ~~white~~ ^{Carson's} ~~Carson's~~ ^{fine} ~~fine paint, and the exterior number.~~

The whole building is to be supplied with zinc gutters along the eaves and with lightning conductors.

All the machinery will be freed by the employees of the Gun Powder factory, but the cost will be borne by this Department.

Principal Details.

The building is to be 11 feet square in the clear, and raised on a bed of concrete 5 feet deep well rammed.

The foundations to walls are to be 5 feet deep with footings.

The walls are to be 1 foot 6 inches and 1 foot 2 inches in thickness, and 12 feet high, and the floor to be of granite 3 line dressed.

The walls to be plastered with two coats of blue chunam.

The roof to be supported by hip rafters notched to a square wooden block in the centre.

Each

Each rafter to be 11½ feet long 6 inches deep and 2½ inches thick, covered with planking 1½ inch thick placed vertically from ridge to eaves, and a thin batten to be screwed down over each joint to exclude water.

A beam of 13 feet in length to be placed from wall to wall to suspend and adjust the machines when necessary.

One panelled door 6½ x 6½ feet with frames, brass folding hinges and bolts &c. complete, and one window with panelled and glazed shutters, complete to be fitted up in the building.

All the wood work in the interior to receive three coats of Carson's white fine paint. The exterior to receive number paint.

Zinc gutters are to be provided along the eaves.

Shed for driving shaft.

This shed which is to be constructed between the Pump House and the new Glazing room will be 80 feet in length from north to south and 7 feet in breadth in the interior.

The foundations are to be laid on a bed of solid concrete 3½ feet in depth and 10 feet in breadth.

The retaining walls to be 1½ feet in depth and 9 inches thick. Eight piers to be constructed 8½ feet by 2½ feet by 6 inches each.

The roof is to be supported on wooden posts 7 feet long and 3 inches square fixed 10 feet apart.

The scuppers are to have one collar piece and to rest on teakwood summings 82 feet

long

long $7\frac{1}{2}$ inches deep, and 4 inches thick.
The roof to be planked over with one inch planks placed vertically, and a thin battens secured down over each joint.

All the wood work to be painted similar to that of Glazing room and Pump House.
Gutters to be provided along the eaves.

Masonry traverses

The new Glazing room is to be surrounded by a high masonry wall on the North, South and East sides, 10 feet thick at bottom, 4 feet top, 16 feet high with equal batter on each side.

The foundations to be of concrete and brick in chunam. The former to be 7 feet deep and the latter 3 feet deep and 11 feet wide.

The flooring within the enclosure formed by the traverse around the Glazing room to be of brick pelly and chunam with a small drain all along the foot of the traverse wall to carry off the rain water.

The tramway from the Granulating room is to be connected with the new Glazing house platform as shown in the plan.

No. 2 Traverse

This traverse which is now in existence and which is composed of earth and turf is to be faced with masonry and plastered over with blue chunam.

The traverse is 120 feet in length in front of the Granulating room and this being the most dangerous part of the Factory it is proposed to cover the Southern traverse with brick-in-chunam to prevent retention of dust or

No 1892.

From

sand

W. J. Ford Lt. Col. R.E.
District Engineer
Residency

Mt. S. Long 3
22nd June 1874

am.
23-6-74

Approved
W. J. Ford
Asst. Engineer
Explosive Powder Factory

W. J. Ford
Comd. C.E.

8th 1892.

From,

The District Engineer

Presidency

The Chief Engineer, and

Secretary to Government

Sir,

With reference to G. O. No. 1135 of 30th April 1874, and to your telegram received on the 17th July 1874, I have the honor to submit for sanction plans, Estimate, and Specification report amounting to Rs 26,430 for a new Glazing and Pump House and shed, also for casing the earthen mounds in the Gun Powder Factory.

2— The project has been approved of both by the Inspector General of Ordnance and by His Excellency the Com. Magazines and by His Excellency the Com. Munder-in-Chief. The work is in hand under orders conveyed in the telegram above referred to.

3— The Estimate provides for everything necessary

Encls.

3. Plans.

1. Abst. of Est.

1. Specif. Report.

Mr. 4628/74

Recd 7/18 Aug 7/74

4/7/74

4/7/74

and

to necessary. The rates are reasonable and sufficient, and no supplementary works will hereafter be required.

4 — Since receipt of the telegram G.O. No 189 of 21st July 1874 has been received which intimates that funds for this work are to be provided by transfer from the current year's allotment for Warrent Officers Quarters at Royapuram, after it is decided whether the Quarters are to be constructed or not.

I have the honor to be

Yours most obedient servant

Ch. G. G. G. Lieut. Col. R. G.

District Engineer

Fort St. George.

23rd July 1874.

Ch.

and the other works...

From W. 1874 Sept.
Min. of Govt. No. 1628
The District Engineer
Presidency.

To The Chief Engineer
D.P.W.

Dated 23rd July 1874.
Recd 27th

Line 5. No. 1892.

Submits for sanction
plans, Estimate & Specifs.
Report amtg. to Rs 26,430
for a new Glazing & Pump
House & Shed &c. in the
Gun Powder Factory.

G.O. No. 2289. 18.8.74

Ans 30th

Recd to Govt 27 July 1874

Public Works Department
Proceedings of the Madras Government
Read the following
2289
How
The St Engineer
Presidency (To Govt 1892 dated
23rd July 1874)

His Excellency the
Governor in Council
sanctions the plans
and estimates sub-
mitted with this letter
amounting to Rs 26,430
for a new Glazing
House, Pump House
and Shafting Shed;
for an additional
Bracoury Traverse,
and for casing an
Earthen Traverse
in the Gun Powder
Factory

M. J. 110

Factory Madras. It is
however remarked
that the concrete
of the Glazing and
Roofing Rafter would
appear to be of un-
necessary thickness
considering the light
character of the super-
structure, unless
justified by the
necessity of reaching
some particular
stratum of soil
at the depth fixed.

A sum of Rs 20,000
has been provided
by transfer for the
work.

L.M.W.

369-370.

Recd 31/7/74 Recd 4/8/74

To the D. C. Presidency ✓
" Military Dept ✓
" Controller with H. Estimate ✓
S. Copies dispd 24/8/74.

Me 4281

Govt. of 1874 Madras.

PUBLIC WORKS.

Mr. Dir. Engr.
Residency

Dated

Recd.

Encl. 4p

G. O. 1874, No. 2289

No. 369. 370.

New flaying house, Pump
House & Shapping shed, &c.
at the Gun Powder Factory,
Madras. Plans & Estimates
for the flaying house, &c.
Sanctioned with remarks;
Rs. 20,000 provided by
transfer for the work.