

(1) Number of pages 26
(2) Date of repair 17-2-87
(3) Initials of the Referencer low ✓

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works DEPARTMENT

G.O. No.	2975 W	Press.
B.P. No.		Mis.
Dated	29-11-1881	(197)

W.B.

Not to be folded or roughly handled

2975
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

29th November 1881, No. 2975, W.

Buildings and Roads.
Civil Works.

Read the following papers :—

No. 129. Report by the Superintending Engineer, No. 450, dated 24th October 1881, on the following estimates for constructing Cinchona buildings at Naduvatom in the Nilgiri District called for in Chief Engineer's Memorandum, No. 890, dated 6th April last :—

	RS.
1 Site Plan.	(1.) Estimate for new drying shed 17,400
2 Plans.	(2.) Do. bark store shed 11,390
2 Detailed Estimates.	(3.) Probable cost of piping, constructing cistern, and clearing site, &c., as per general abstract ... 2,284
2 Abstract do.	
3 General Abstract Estimates.	
	Total ... 31,074

These estimates have been revised in accordance with the instructions contained in Chief Engineer's Memorandum, No. 21, dated 8th January last, and fresh plans have been prepared.

The design of the drying shed will have a main room in the centre of the building measuring 72 x 32 feet, showing the arrangement of the masonry furnaces 8 feet long 2 feet wide and 3 feet high with a semi-circular arch and a chimney with two holes and 32 feet high to be built in the centre of the side-wall of the room and between the furnaces. The flue will run from each of these furnaces 12 inches span and turned with masonry arch 9 inches thick, so as to heat the bark, which are to be stacked on shelves as shown in the plan.

This main room will be provided with twelve pivot windows round the walls and five sky-lights each 6 feet in length to be built between the span of the iron trusses so as to afford ventilation and allow the steam to pass off. In each side of this room four rooms have been provided for the accommodation of the carpenters and blacksmiths' workshops and Superintendent's office, &c., with a furnace room 55 feet x 10 feet and a verandah 10 feet wide at ends. The whole of this building is proposed to be covered with corrugated iron sheets and supported by six iron trusses with teak-wood purlins, &c., as suggested by the Revenue department.

The bark store room or shed will be built close to the drying shed for the purpose of heating the barks with hot air, which will consist of ten rooms each 14 x 14 feet and 14 feet high, except two end rooms near the furnace and chimney flue, which will be somewhat larger and surrounded by a 10-feet verandah, which will be required for packing bark, &c.

There are ten kinds of cinchona trees at Naduvatom; each of these rooms will contain 2,744 cubic feet of partly dry bark; hence the ten rooms have a total storage capacity of 274,400 cubic feet, or sufficient for 23,600,000 lb. of bark of all kinds, the total space required for 2,000,000 lb. of dried bark, or 23,032 cubic feet in all.

The furnace and masonry flue to be built similar to that of the drying shed; the latter will run along the centre of these ten rooms under the ground level and will be provided with a chimney of 12 inches square and 28 feet high. The roof to be covered with corrugated iron sheets, the thickness of which will be 20 B.W. gauge.

The site proposed for erecting these buildings is shown in the site plan.

A cistern 15 feet square and 5 feet high will be built between the stream and writer's house at a cost of Rs. 740 to hold 125 cubic feet of water for the supply of the proposed cinchona buildings and as a protection from fire with a 6-inch cast-iron pipe from a distance of 460 feet and provided with four stand-pipes, the cost of which will be Rs. 1380; these proposals have been shown in the site plan.

The plans and estimates have been signed by the Deputy Conservator of Forests in charge of the Cinchona plantation in token of his approval, and it is requested that they may be sanctioned for early execution of work in the current year. The work may be expected to be completed within eighteen months from the date of putting it in hand.

There is grant of Rs. 32,700 provided for the work in the Provincial Budget for 1881-82.

COIMBATORE,
24th October 1881.

(Signed) H. R. MEAD, Major, R.E.,
Superintending Engineer, Second Circle.

To the Chief Engineer, Public Works Department.

No. 2512.

MEMORANDUM.

Submitted for the approval of Government in the Revenue Department with advertence to paragraph 2 of G.O. in that Department, No. 1654, dated 7th December 1880.

2. Very early return of the papers is requested.

31st October 1881.

(Signed) R. H. SANKEY, Colonel, R.E.,
Chief Engineer, P.W.D.

To the Revenue Department.

No. 129-A. Proceedings of the Madras Government in the Revenue Department, dated 7th November 1881, No. 1657.

Read Memorandum from the Public Works Department, dated 31st October 1881, No. 2512, submitting for approval revised estimate from the Superintending Engineer, Second Circle, for constructing cinchona buildings at Naduvatom, and requesting early return of the papers.

ORDER.—The revised plans and estimates for the new drying shed and bark store and the new estimate for the cistern with piping, &c., at Naduvatom are approved.

2. It is observed that Rs. 32,700 are provided in the Provincial Budget for the current year on account of these works; but, as it is stated that it will take eighteen months to complete them, it is requested that the Public Works Department will inform this department whether the balance of the amount unexpended at the end of the year 1881-82 will be allotted in the Provincial Budget, or whether provision must be made for the same in the Cinchona Budget for 1882-83, and, if the latter, the approximate amount that will be required.

(True Extract.)

(Signed) C. G. MASTER,
Secy. to Govt., Rev. Dept.

To the Public Works Department, with ten enclosures.

3
2975
2

No. 130. ORDER THEREON, 29th November 1881, No. 2975 W.

THE revised estimates, amounting to Rs. 31,074, for constructing Cinchona buildings at Naduvatom is sanctioned.

2. The sum of Rs. 32,700 was provided for the work in the current year's Provincial Budget, but of this amount the Superintending Engineer has surrendered* Rs. 10,700, leaving Rs. 22,000 to credit. The balance required to complete the buildings, viz., Rs. 8,889, will be provided in the Public Works Provincial Budget for 1882-83. Every effort should be made to push on the work to early completion.

3. This sanction has been registered as Provincial No. 102 W. of 1881-82, and classified as Civil Buildings, Original Works.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle, with eight enclosures.
„ Examiner of Public Works Accounts, with duplicate abstract estimates.
„ Revenue Department, with copy of note by the Hon. W. Hudleston.

Exd. J. W. Fischer.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1881) Madras
PUBLIC WORKS.

To
THE SUPERINTENDING ENGINEER,
FOURTH CIRCLE.

Rs. Rs. Rs.

Dated November, 29th.

Issued

Sent

Encl.

G.O., 29th November 1881, No. 2976 W.

NOVEMBER.
Nos. 129-130.

Cinchona Buildings at Nodduatam. — The
revised estimates, amounting to Rs. 31,074
for constructing —, sanctioned.

C. No. 6186 & 6546

P. W. Secretariat.

2975
3

Note by Budget Section.

Work

Remarks and References.

Constructing Cinchona
buildings at Noddu-
wattam.

Fund Provincial

Service Head Civil Building

Departmental Head High Works

Amount of estimate Rs. 31,074

Expenditure in previous year 185

Allotment in current year 22,000

Balance required to complete 8,889

Total Rs. 31,074

Note of available funds.

Rs. 32,700 were provided for the work
in the current year Provincial Budget.
Item No 24. Of this amount the Supp. Engr
surrendered Rs. 10,700 leaving Rs. 22,000 to the
credit of the work. The balance requi-
red to complete the work will be
provided in the Prov Budget for 1882/83.

10/11/81.

Budget Clerk.

Note by Budget Section.

2975W

N^o 450

2975
4

Report by the Superintending
Engineer on the following estimates for
constructing Conchona buildings at
Keddivattam in the Nilgiri District
1 site Plan
2 Plans
2 sets Estimates
2 Abstr. - D^o - Called for in Chief Engineer's Memorandum
2 Cont. abstr. D^o N^o 890 dated 6th April last.

- | | |
|---|-------|
| (1) Estimate for new Drying
shed Repairs | 17400 |
| (2) Estimate for new Bark
store shed Repairs | 11390 |
| (3) Probable Cost of piping
constructing cistern and clear-
ing site &c as per General Abstr. | 2284 |

Total Rs 31074

These estimates have been revised in
accordance with the instructions contained
in Chief Engineer's Memo No 21 dated
8th January last and fresh plans have
been prepared.

The design of the Drying shed will
have

have a main room in the Centre of the building measuring 72x32 ft: showing the arrangement of the masonry furnaces 8' long 2 ft: wide and 3 ft: high with a semi-circular arch, and a chimney with 2 holes and 32 ft: high to be built in the centre of the side wall of the room and between the furnaces. The flue will run from each of these furnaces. 12" span and turned with masonry arch 9" thick so as to heat the bark which are to be stacked on shelves as shown in the plan:

This main room will be provided with 12 Pivot windows round the walls and 5 Day-lights each 6' in length to be built between the span of the iron trusses so as to afford ventilation and allow the steam to pass off. In each side of this room 4 rooms have been provided for the accommodation of the Carpenters and Black Smiths work shops and Superintendent's office &c with a furnace room 55'x10 ft and a verandah 10' wide at ends. The whole of this building is proposed to be covered with Corrugated iron sheets and supported by

12
by 6 iron trusses with teakwood purlins &c as suggested by the Revenue Department.

The Bark store room or shed will be built close to the Drying shed for the purpose of heating the bark with hot air which will consist of ten rooms each 14x14 ft and 14 ft high except 2 end rooms near the furnace and chimney flue which will be somewhat larger and surrounded by a 10 ft Verandah which will be required for parking bark &c.

There are ten kinds of Cinchona trees at Neddivaltem each of these rooms will contain 27,44 cft of partly dry bark hence the ten rooms have a total storage Capacity 274,400 cft or sufficient for 23600000 lbs of bark of all kinds the total space required for 2,000,000 lbs of dried bark or 23032 cft in all.

The furnace and masonry flue to be built similar to that of the Drying shed the latter will run along the centre of these 10 rooms under the ground level and will be provided with a chimney of 12" sq and 28 ft high. The roof to be covered with Corrugated iron sheets the

the thickness of which will be 20 B.W. gauges.

The site proposed for erecting these buildings is shown in the site plan.

A cistern 15 ft. sq. and 5 ft. high will be built between the stream and writer's house at a cost of Rs 740 to hold 125 cft. of water for the supply of the proposed Cinchona buildings and as a protection from fire with a 5" cast iron pipe from a distance of 400 ft and provided with 1 stand pipe the cost of which will be Rs 1380, these proposals have been shown in the site plan.

The plans and estimates have been signed by the Deputy Conservator of Forest in charge of the Cinchona plantation in token of his approval and it is requested that they may be sanctioned for early execution of work in the current year. The work may be expected

13
expected to be completed within 18 months from the date of putting it in hand.

29/5/81
There is grant of Rs 32,700 provided for the work in the Provincial Budget for 1881-82.

Soumabatoke }
24 October/81.

Major R.E.
Supt. Engineer II Circle

To
The Chief Engineer
P.W. Department

From P. N. L. Ke. 105
The Supply Engineer,
Second Circle.

Rev. 6553/81

Dated 24th }
Sept. 25th } October/81
Med. 26

No. 450

Enc. 9 (3/1/81)

Cinchona Buildings at
Naddivattam:-

Report on the
estimate of Rs.
31,074 for constructing
—, forwarded with a
request that sanction
be accorded for their
early execution.

25/2 a/31-10-81.

P.D.

Memorandum

25/2

From the Supply Eng. 2^d Circle
No. 450 dated 24-Oct/81. Submitting
revised estimate &c amounting
to Rs 31,074 for constructing
Cinchona buildings at Naddivattam.

Submitted for the approval
of Govt in the Revenue Dept with
adherence to para 2 of G.O. in that
Department No. 1654 d/7 December/80.
2. Very early return of the papers
is requested.

Sd/- R.H. Sankey, Col. R.H.

Chief Supt. P.W.D.

To The Rev. Dept with the letter
above quoted and 9 enclos.

25/2 with C 100

25/2

6/86

1-11-81.

Ch. N: 2352 ay 14-10-87.

B. N: 717 way 16-3-87.

N: 639 way 11-3-87.

Ch. N: 628 ay 11-3-87.

B. N: 591 way 7-3-87.

B. N: 579 way 5-3-87.

B. N: 455 W ay 19-2-87.

memo N: 176 ay 26-1-87.

Ch. N: 21 ay 8-1-87.

memo N: 2653 ay 29-11-80.

G.O. N: 2242 W ay 24-9-80.

G.O. N: 727 W ay 20-3-80.

his N: 406 W ay 21-2-80.

memo N: 436 ay 7-2-80.

his N: 943 W ay 26-2-78.

Ch. N: 704 ay 9-2-78.

his N: 524 W ay 1-2-78.

Index

Revenue Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read a Memorandum from the Public Works Department, dated 31st October 1881, No. 2572, submitting for approval, revised estimate from the Superintending Engineer, 2nd Circle, for construction of Chinichona buildings at Meddirathur and requesting early return of the papers.

Order thereon, 7th November 1881, No. 1057.

1. The revised plans and estimates for the new Drying shed and Bark Store, and the new estimate for the cistern with piping &c. at Meddirathur are approved.
2. It is observed that Rs 32,700 are provided in the Provincial Budget for the current year on account of these works, but as it is stated that it will take 18 months to complete them, it is requested that the Public Works Department will inform this Department whether the balance of the amount now expended at the end of the year 1881-82 will be allotted in the Provincial Budget, or whether provision must be made for the same in the Chinichona Budget for 1882-83 and if

if the latter, the approximate amount that
will be required.

Shue Cabot

Quarters
Bought to Court.

To
The Public Works Department with 100 miles more

524W-1-2-78
 943W-26-2-78
 406W-21-2-80
 727W-20-5-80
 2242W-24-9-80
 455W-19-2-81
 579W-5-3-81
 639W-11-5-81
 717W-16-3-81
 704-9-2-78
 430-7-2-80
 2653-29-11-80
 21-8-1-81
 170-26-1-81
 628-11-3-81
 2352-14-10-81

P. W. C. No 6546

L-10(3/plan)

Recd: 10 Nov 81

2975
10
C A W

I wish to see
 at. Andras the
 file connected with
 the Reddeworth
 Chumona building
 - the assignment
 made to him for
 current - Off. year
 Jan

Att

24-10-81

S. A. W.

Please have ref
 information ready.

R. J.

24-10-

24-10-

24-10-81
 C. A. W.

C. 25-11-81

Rs

524W-1-2-78
 943W-26-2-78
 406W-21-2-80
 727W-20-3-80
 2242W-24-9-80
 455W-19-2-81
 579W-5-3-81
 639W-11-3-81
 717W-16-3-81
 704-9-2-78
 430-7-2-80
 2653-29-11-80
 21-8-1-81
 176-26-1-81
 628-11-3-81
 2352-14-10-81

with reference to your
 letter of 24.10.81, overleaf,
 the complete file
 relating to the Aushona
 buildings at Naduvalam
 is submitted.

The revised estimate
 came in from the S. E.
 on the same day as your
 slip, & a memo. referring
 the former to the Rev. Dept.
 is submitted for signature.

The assignment for
 the work in the current
 year's budget is Rs 32,700
 while the revised estimate
 amounts to Rs 31,074.

C4
 29/10/81.

P. W. DEPARTMENT-1881-82.

MEMORANDUM.

Current No. 6186.

Report Number 450.

dated the 24th October 1881.

from the Supp. Engineer & 2nd Circle.

Note of Remarks.

The Estimates with Plans
 & report for constructing Aushona
 buildings at Neddi
 within the Kalladi Dist.
 amounting to Rs 31,074- have
 been revised in accordance
 with the instructions contained
 in Chief Supp. Memo. No. 21
 dated 8th January 1881.

The Drying shed will have
 a main room in the center of
 the building, measuring 78
 x 32 ft. showing a arrangement
 of the masonry furnaces &
 chimney with 12 pivot windows
 & 5 skylights. On each side
 4 rooms have been provided
 for the accommodation of
 Carpenters, Blacksmiths,
 Workshop & Cupot Office etc.
 with a furnace room & verandah.

The Bath attached
 will be built close to the drying
 shed, which will consist of
 10 rooms, surrounded by a
 verandah required for passing
 bath etc. The roof of the
 Drying & Bath sheds, will
 be covered with corrugated
 iron sheet.

A cistern to hold 1125
 Cubic ft.

Cubical of Water with a
5" Cast Iron piping for a
distance of 460 ft. & 4 inch
pipes have been provided.

A Plan showing the
site proposed for erecting
these buildings, has been
furnished.

The Rates now in force
agree with the District

Petty general Super-
vision & Contingencies
have been charged at
10 per Cent.

The Plans & Estimates
have been approved of
& countersigned by the
Conservator of Forests in
charge of the Cinchona
plantations.

28th October 1881.

[Signature]

N^o 29754

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 29th Nov 1881

Read the following:

21/12

From the S. & Fourth Circle H. S. No 4507/24 Oct 81
Memo. to the Rev. Dept " 2572/31 " "
Proc. Rev. Dept " 1657/7 Nov 1881.

The revised estimate,
amounting to Rupees
31,074, for constructing
Cinchona buildings
at Naduvattam is
sanctioned.

2. The sum of Rs
32,700 was provided
for the work in the
current year's Provincial
Budget, but of this
amount, the Supt
Eng^r has surrendered
Rs

+ H. S. No 2668 W 8/31 Oct 81

Rs 10,700, leaving
Rs 22,000 to credit.
The balance required
to complete the building,
viz Rs 8,889, will be
provided in the P. Works
Provincial Budget for
1882-83. Every effort
should be made to push
on the work to early
completion.

3. This sanction has
been registered as Prov.
No. 102 W of 1881-82, &
classified as Civil Building,
original works.

Cy

Att

10/11/81

To Mr S. G. L. White ✓
with Enclos

" Mr V. W. ✓
with duplicate

a Rev. Dr. P. W. ✓
Copy of report by the Hon. Mr. Henderson -
Dec 6-12-81

C-25-11

X
Govt. of 1881 Madras.

PUBLIC WORKS.

30/4/81
Dated

Issued

Recd.

Encl.

G. O., 29th Nov. 1881, No. 2975 W.

Nos. 129 to 30

Circular Buildings at

Maddurattinam. The revised

estimate amounting to Rs. 31,074 for constg.

sanctioned.

29/11

Subd. in Receipts & Cr.