(1) Number of pages 16

14 . (2) Date of repair 7/11/88

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

G.O. No. ~~B.P. No.~~	2987	Press. ~~Mis.~~
Dated	4. 12. 1884/~~198~~ .	

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Archives —I 10,006-9 80

4th December 1884, No. 2987 W., Public Works.

2987

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from Captain W. L. C. BADDELEY, R.E., General Superintendent, Public Works Stores, to the Superintending Engineer, V Circle, dated Madras, 19th November 1884, No. 1012 S. :—

With reference to G.O., dated 5th November 1884, No. 2752 W., Public Works, authorizing me to accept the offer of the Conservator of Forests, Pegu, to supply teak timber for use of this department, I have the honor to state that I have requested the Conservator to select, measure and despatch 200 tons of teak timber of the dimensions given in paragraph 7 of my letter recorded with Government Order above quoted. I now beg to inquire if, under the sanction now accorded, I may order an additional 200 tons of teak timber from the forest officer. I think it would be very advisable to do so.

No. 3373.

Endorsement on the above.

Submitted to the Chief Engineer, Public Works Department.

2. The General Superintendent, Public Works Workshops, states that the supply of the 200 tons already sanctioned will be fully used up within twelve months from date of receipt. But as this supply will not admit of any quantity being laid by to become seasoned, it appears to be advisable that the further order for 200 tons may be sanctioned.

Chepâk, (Signed) H. L. PRENDERGAST, Colonel, R.E.,
2nd December 1884. Superintending Engineer, V Circle.

Order—dated 4th December 1884, No. 2987 W., Public Works.

A further supply of 200 tons of teak may be provided on the same terms as the supply already ordered. It is of importance that a stock of well seasoned wood should be available for use.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, V Circle.
" Examiner, Public Works Accounts.

Exd. C. Howarth.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated December, 4th.

Recd. *Encl.*

G.O., 4th Dec. 1884, No. 2987 W.

DECEMBER.

Teak Timber

A further supply of 200 tons of — for the use of the Public Works Stores authorised to be procured from the Conservator of Forests, Pegu.

2987

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

Endorsement, No. 187, dated 28th January 1884, in the Public Department, on letter from the Superintendent, Government Central Museum, dated 19th January 1884, No. 49.
From the Consulting Architect to Government, dated 5th February 1884, No. 1466.
Note by the Chief Engineer, Public Works Department, dated 19th February 1884.
Endorsement, No. 27 E.W., dated 17th March 1884, of the Chief Engineer for Irrigation, on letter from Mr. C. Vincent, dated 11th March 1884.
Endorsement, No. 4529, dated 31st March 1884, of the Superintending Engineer, V Circle, on letter from Major Drake-Brockman, R.E., dated 27th March 1884, No. 2427.
From Mr. C. Vincent, Executive Engineer, Public Works Department, dated 4th April 1884.
From the Consulting Architect to Government, dated 18th April 1884, No. 76.

Order—dated 5th May 1884, No. 1120 W., Public Works.

In the letter read at the head of these proceedings, the Superintendent of the Central Museum brings to notice the badness of the woodwork used in the construction of the gallery which was sanctioned in G.O., dated 14th September 1882, No. 2378 W.

2. Surgeon-Major Bidie's complaints in this matter are in the main confirmed by the Chief Engineer, who condemns the material and workmanship of the flooring in the new gallery, and of the windows by which it is lighted.

3. Owing to the frequent changes in the post of Consulting Architect during 1883, it is not easy to apportion the responsibility for the bad work. On the 16th April, Mr. Chisholm handed over charge of the office to Mr. Vincent; and, during the absence of the latter at Simla, from 20th August to 15th October, Major Brockman was in charge. The purchase of the timber appears to have been made by Mr. Chisholm, and the work was executed under Mr. Vincent and Major Brockman. In the opinion of His Excellency the Governor in Council, these three officers must share the discredit for the bad work.

4. During the entire period of construction, the sub-divisional officer in charge of the work was Mr. J. H. Stephens, Honorary Assistant Engineer; and the Government regret that they cannot consider his explanation sufficient to exculpate him altogether from blame.

5. It is in some measure satisfactory to learn that several of the defects complained of have been already remedied; and that the work, though rough and inferior in finish, is sufficiently strong for the purpose.

2

6. The Consulting Architect will report upon the difficulties which appear to be experienced in procuring an adequate supply of well-seasoned timber, and will state what measures he recommends in view to the removal of those difficulties.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
,, Chief Engineer for Irrigation.
,, Superintending Engineer, V Circle.
,, Public Department.

Exd. A. Aubert.
Spare Copies

2987

3

GENERAL.
ESTABLISHMENT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated May, 5th.

Recd.

Encl.

G.O., 5th May 1884, No. 1120 W.

MAY.

Government Central Museum

Censuring officers concerned in the badness of the woodwork used in the construction of the gallery at the —.

8th November 1884, No. 2796 W., Public Works.

2987

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following letter from Lieutenant-Colonel J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 5th November 1884, No. 1209:—

As called on in paragraph 6 of G.O., No. 1120 W., dated 5th May 1884, I have the honor to report on the difficulties which appear to be experienced in procuring an adequate supply of well-seasoned timber, and on the measures which I venture to recommend in view to the removal of those difficulties.

2. The teak timber now available in Madras is dear in price, indifferent in quality, limited in quantity and not procurable at all in very large sizes. It appears to be immature in growth and to have been felled at some comparatively recent period. The trade appears to have fallen into the hands of a few speculative and wealthy native merchants who can afford to wait until the high price which they demand is paid to them. The Forest department practically give us little or no assistance, and their professed help will be unavailing until they can be induced to offer timber for sale in a central depôt at Madras.

3. The Public Works Workshops have begun to supply this office with teak timber, and the Superintendent has helped us much in so doing. But necessarily the timber is unseasoned, and has had to be purchased as wanted from local merchants. There has been unavoidable delay at times in meeting our demands.

4. I venture to suggest this office being allowed to store timber in scantlings or in logs to be used up after being kept as occasion requires. The recently-acquired Wallajah Bagh property would serve for this purpose excellently well. But I would not confine the selection to teak. Mr. Browne of Tellicherry supplies Malabar timbers of various kinds which, if purchased and stored, might be found cheap and useful. For example, interior doors might be made with a combination of two or more timbers, such as (say) rosewood (red) and white cedar (white), the styles being of red and the panels of white wood, the wood being left unpainted and only varnished. Mr. Browne has published a printed list of Malabar timbers, giving their uses and qualities. To obtain the teak I think the cheapest way would be to send a competent and trustworthy subordinate direct to Burmah and to the Anaimalais or elsewhere in India, to purchase a ship-load or more (say) of logs and scantlings. These could then be stored and be used when needed. In the course of a year about 400 tons, or 20,000 cubic feet of timber, would be used, but a single load containing about 500 tons might be first purchased as an experiment. The Gun Carriage Factory selects timber in this way and keeps a large quantity in stock. There is no reason why this office should not do the same, not only without experiencing any loss thereby, but even with a direct money profit to Government, and indirectly in having better timber. I anticipate the price of timber in all our estimates could be reduced by 25 per cent. at least, and this would give in one year at our present rate of consumption a gain to Government of Rs. 20,000. If Government could see their way to sanctioning an outlay of (say) Rs. 20,000 on timber, this sum could easily be cleared off within five years.

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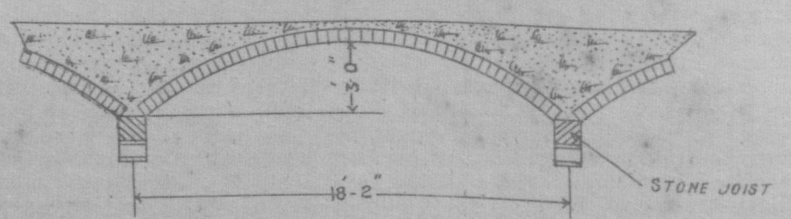
5. Looking to the perishable nature of all timber especially in a climate like this in which the ravages of whiteants adds, perhaps, to the injury to which the wood is everywhere liable, I beg to advocate the substitution of stone for wood in flat roofs. I embodied this idea in the type design recently submitted to you for a Sub-Judge's or Munsif's Court. I enclose a section of such a roof built in the Madras Senate House, and which has stood well for some years. Experiments are being made to ascertain data on which to calculate the resistance of the stone of this Presidency to breaking across. Where stone is not easily procurable, flat concrete arches might be constructed over verandahs with economy and increased endurance over timber.



6. The following information has been kindly supplied to me by Major C. W. Brereton, R.A. :—

Details connected with timber obtained by the Gun Carriage Factory.

(All timber is stacked for five years in log and one and-a-half years in scantlings).

Name of Wood.	Price.				Whence obtained.
	RS.	A.	P.		
Teak	150	0	0	per ton of 50 cubic feet.	Conservator of Forests, Salwen Division, Moulmein.
Rosewood	2	7	11	per cubic feet ...	Contractor, Coilandee Velapel Mohideen.
Trincomallee	1	4	0	exclusive of freight.	Ceylon Government.
Pedouk	130	0	0	per ton of 50 cubic feet.	Conservator of Forests, Moulmein.
Sâl	2	8	0	per cubic feet exclusive of freight.	Commanding Officer, Fort William.
White Cedar	1	4	3	per cubic feet ...	Contractor, Kunje Kolanthen Haji.

Order—dated 8th November 1884, No. 2796 W., Public Works.

The General Superintendent, Public Works Stores, has been authorised in separate Proceedings to lay in a large stock of Burmah teak which will be obtained direct from Rangoon. This will be available for the Consulting Architect, as for other divisions. When the consignment arrives at Madras, the Consulting Architect can take over a portion of it, and store it at Wallajah Bagh, if he prefers doing so to leaving it at the Public Works Stores.

2. The Consulting Architect may lay in a small stock of Malabar timber (such as rosewood and white cedar) suitable for doors and windows, utilising the same when opportunity offers, and reporting the results.

2987

3. The substitution of stone for wood in flat roofs, advocated by Major Morant in paragraph 5 of his letter, can best be dealt with by making such provision in individual estimates, as has been done in the type design for a Munsif's Court. No general orders on the subject seem necessary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, , R.E.,
Secretary to Govt., P.W.D.

To the Consulting Architect to Government.
To Superintending Engineers.

Exd. A. Grubert.
Spare Copies

5

GENERAL.
ACCOUNT.

Gobt. of {1884} Madras.

PUBLIC WORKS.

Dated November, 8th.

Recd. *Encl.*

G.O., 8th Nov. 1884, No. 2796W.

NOVEMBER.

Timber

Orders on letter from the Consulting Architect complaining of the difficulties experienced in obtaining well-seasoned —, and suggesting certain measures to remedy them.

No. 1012 S. P. W. Store Depᵗ.
Madras. 19ᵗʰ Novʳ/84.

2987

From
The General Superintendent.
Public Works Stores.

To
The Superintending Engineer
Fifth Circle
Madras.

Sir,

With reference to G. O. dated 5th November 1884 No. 2752 W. Public Works, authorizing me to accept the Offer of the Conservator of Forests, Pegu, to supply Teak timber for use of this Department, I have the honor to state that I have requested the Conservator to Select Measure and despatch 200 Tons of Teak timber of the dimensions given in para 7 of my letter recorded in the G. O. above quoted. I now beg to enquire if under the Sanction now accorded I may order an additional 200 Tons of Teak timber from the

6 Forest

forest Offices. I think it would be very advisable to do so.

I have the honor &c.

Sd/ W. L. C. Baddelley Capt. R.E.

Genl. Supdt. P. W. Stores.

SECRETARY GOVERNMENT P.W. DEPARTMENT
3 DEC 84

No. 3373/C

Submitted to the Chief Engineer P. W. Department.

2. The General Superintendent P. W. Workshops states that the supply of the 200 Tons already sanctioned will be fully used up within twelve months from date of receipt. But as this supply will not admit of any quantity being laid by to become seasoned, it appears to be advisable that the further order for 200 Tons may be sanctioned.

Hew Prendergast

Col. R.E.

Supg. Engineer 5th Circle

Chepauk
2nd Decr/84.

2987

Genl
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No. 2987. W d/ 4th December/84

A further supply of 200 tons of teak may be provided on the same terms as the supply already ordered. It is of importance that a stock of well seasoned wood should be available for use.

CJ
4.12.84

WS
4-12-84

G.O. 2752 W d/ 5-11-84.
" 2796 W d/ 8-11-84
" 1120 W d/ 5-5-84
No. 1652. D d/ 15-9-84
G.O. 721. W d/ 15-3-84

S. E. V. Circle ✓
Ex: P.W. accts: ✓

Dd
9/12/84

Withorder

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Govt. of (1884) Madras.

PUBLIC WORKS.

(87)

Dated

Recd. Encl.

G.O., 4 Decr. 1884, No. 2987 W.

Teak Timber

A further supply of 200 tons of —— for the use of the S. W. Stores, ~~sanctioned~~ authorized to be procured from the Conservator of Forests Pegu.

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―
3

Jd
5/12