

(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. 1845	Press
61-62	Mis.
Dated 5-8.	1872.

Not to be folded or roughly handled

No. 61. Read the following letter from the Deputy Secretary to the Government of India, Public Works Department (Irrigation), to the Joint Secretary to the Government of Madras in the Public Works Department, (Irrigation Branch), dated Simla, 3rd July 1872, No. 526-I.—

I AM directed to forward for information the papers specified on margin relative to certain woods of the Andaman forests and the price at which they could be delivered in Calcutta. In calculating the latter the Superintendent of the Settlement has reckoned the freight at Rupees 40 per ton, which seems excessive.

Statement showing results of experiments on stiffness of woods
Letter to Superintendent, Port Blair, No 281-I of 4th April 1872
Letter from Superintendent, Port Blair, No 487 of 5th June 1872

Proceedings of the Madras Government, Public Works Department,
5th August 1872.

No	Burmese name	Number of trials	Length in feet	Breadth in inches	Depth in inches	Weight produced in lbs	Breaking weight in lbs	Constant	Average weight in lbs	Plentiful or otherwise	To what average diameter	Remarks
1 (A)	Padonk	1	3	1 1/2	5	603	616	0072152	49 1/2	Plentiful	24	A very durable wood and well adapted for almost every building purpose. Timber close grained, and fibre compact and tough. Broke 4th by compression and 2 1/2 inch tensile strain fracture long.
2 (B)	Pyemah	2	3	1 1/2	5	609	673	0128895	41	Plentiful	36	A light and rather tough wood, well suited for house building for which it is much in demand. Timber close grained fibre coarse and loose. Greatest deflection 2 1/4 inch, broke as above, fracture very long.
3 (C)	Yonay gree	2	3	1 1/2	5	609	622	0073035	55	Moderate	20	A first class wood, ranking with Padonk, is used extensively in buildings of every kind, is little liable to warp, and is seldom attacked by white ants. Grain close and regular, fibre rather coarse. Broke as above with a fracture very long.
4 (D)	Gaugua	1	3	1 1/2	5	609	622	0065866	70	Moderate	16	A very hard heavy wood and remarkably tough, but is liable to split and warp when badly seasoned. Is much in use for beams and girders. Grain close, and fibre coarse and loose. Tree attains a great height, from 90 to 100 feet. Broke as above, fracture long.
5 (E)	Thungan	2	3	1 1/2	5	609	622	0088111	58	Moderate	20	Wood extremely durable in any situation, and is much in demand as posts and ladders. Grain close, and fibre rather short. Broke 4th by compression and 1/2 tensile strain, fracture long.
6 (F)	Toung peng	2	3	1 1/2	5	609	622	0140344	33	Moderate	16	This is a soft light wood when fully seasoned, and is much used in building canoes, stands exposure and resists the worm. Grain close and straight, and fibre coarse.
7 (G)	Bam bwæ	1	3	1 1/2	5	609	622	0094443	56	Moderate	20	A dark brown and rather heavy wood, but of an inferior nature, is very brittle and soon decays and is therefore little in use. Grain close and fibre short. Broke by compression, fracture very short.
8 (H)	Thumman	2	3	1 1/2	5	609	622	0110728	34	Plentiful	14	A pale yellow light wood slightly resembling Pine much used in planks and for making boxes, packing cases, etc., but is not durable. Grain close and fibre fine. Tree tall and straight. Broke short quarter by compression and half by tensile strain.
9 (I)	Kanyeen	2	3	1 1/2	5	609	622	0076677	49	Plentiful	23	Wood rather heavy, but of a useless description for building purposes. The species is known as the "wood oil tree." Grain compact, and fibre coarse. Broke as in "Thumman," fracture short.
10 (J)	Kapallee theet	1	3	1 1/2	5	609	622	0059663	66	Scarce	30	Is a very durable, hard and heavy wood, but is not much in demand being scarce and difficult to work. Is well suited for edge, tool handles, and gun stocks. Grain very close, and fibre fine and compact. Greatest deflection 2 1/4 inch, broke at this 4th by compression and 1 1/2 by tensile strain, fracture produced very long.
11 (K)	Nabbhav	1	3	1 1/2	5	609	622	0136795	56	Scarce	20	A close grained pale red wood, rather heavy and difficult to season, said to be a good wood for cabinet work. Broke short half by compression and half by tensile strain.
12.	Teak, Yonimrein	2	3	1 1/2	5	609	622	0106579	42			Used at one time for every purpose, but is now giving place to the use of local timber. Broke as above, fracture rather short.

NOTE.—The object of testing here the stiffness of imported teak was that a comparison might be made between itself and local wood. In the experiments made, the weight in each case was applied to the centre. And for finding the constant a rule laid down in Trautgold's Elementary Principles of Carpentry has been adopted, see edition of 1853 of the work. Section 2, page 45 and 46. The block letter following each number in the paper has been entered for the sake of reference, as it corresponds with the letter branded on each specimen of the several descriptions of wood, of which those above named are samples, forwarded to Calcutta in September last by direction of this Government of India.

Executive Engineer, Port Blair.

Supervisor, P. W. D.

Proceedings of the Madras Government, Public Works Department,
5th August 1872.

From the Government of India, Public Works Department, to the Officiating Superintendent, Port Blair and Nicobars, dated Fort William, 4th April 1872, No 281-I

REFERRING to your letter to the Government of India in the Department of Agriculture, Revenue and Commerce, No 2,196 of the 12th ultimo, and to the statement forwarded therewith showing the results of experiments made at Port Blair to test the strength of various woods obtained from the Andaman Forests, I am directed to inquire at what price the woods marked as on margin could be delivered in Calcutta

1 (A) | 3 (C)
2 (B) | 5 (E)

From the Officiating Superintendent, of Port Blair and Nicobars, to the Secretary to the Government of India, Public Works Department, dated Port Blair, 5th June 1872, No 487

I HAVE the honour to acknowledge the receipt of your letter No 281, dated 4th April last, on the subject of the price at which certain Andaman woods could be delivered in Calcutta

2 In reply I beg to state that the cost of the Forest Establishment and freight on the woods would regulate the price calculated according to the present cost of the former and at Rupees 40 per ton for the latter, the woods in question could be delivered at Calcutta for about Rupees 56 per ton, or Rupees 1-4-0 per cubic foot

No 62 ORDER THEREON, 5th August 1872, No 1,845.

IRRIGATION, No. 3

COMMUNICATED to the Controller of Public Works, to the Superintending Engineers, to the General Superintendent of Government Workshops and to the Revenue Department.

(True Extract)

Captain, R E,

Acting Joint Secretary to Government

To Superintending Engineers
To the Special Executive Engineer, Wynaad
.. Controller of Public Works Accounts
.. General Superintendent of Public Works Stores.
.. Revenue Department

Ed E. C. Shunkler.

All communications
should be addressed
to the Secretary.

N^o 526 I
Government of India
Public Works Department
Irrigation.

To The Joint Secretary to the Govt. of Madras
in the Public Works Department,
Irrigation Branch.

Simla, 3rd July 1872.

Sir,

I am directed to forward for

Statement shewing
results of experiments
on stiffness of woods.
Letter to Supt. Port
Blair. N^o 281 J of 4th
April 1872.
Ditto from Ditto N^o 487
of 5th June 1872.

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relative to certain woods of the Andaman
forests and the price at which they could be
delivered in Calcutta. In calculating the
latter the Superintendent of the settlement has
reckoned the freight at Rs 40 per ton, which
seems excessive.

I have the honor to be,
Sir,

Your Most Obedt Servt
Jay Shrinath Capt. R. E.

Joint Secretary to the Govt. of India

2/35/5.

The Spots of Water.

Dear Sir,

Forming process

in Talento.

With order

578124

Let's introduce A. H. J.
Communicated to the Judge.
and to the Revenue Dept.

Engineers and to the Revenue Dept.

سید

mij

[Handwritten signature]

*Spl. Spl. Eug. Hyman & I
Mar. 25th / Cont'd / Cont'd & others
Decr 13/8/72*

2/13/82

Sept 22 1892

Op- 3515

Govt. of 1872, Madras.

PUBLIC WORKS.

To *The Superintendent
Engineers*

Dated

Recd

Encl

G. O. 5th Aug 1872/845.

Nos.

61862

*Mad. Letter from the
Prob of India Board
papers relative to cer-
tain roads of the
Andaman Forests the
price at which they
could be delivered in
Calcutta, Comd. W. the Officer
concerned.*