M.R.O. 1—20,002—12-8-65.

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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	87	~~Press~~
~~B.P. No.~~		Mis.
Dated	16.8.1872	196 .

Not to be folded or roughly handled

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

No. 61. Read the following letter fr[om] the Deputy Secretary to the Govern-
ment of India, Public Works De[partment] (Irrigation), to the Joint Secre-
tary to the Government of Ma[dras] in the Public Works Department,
(Irrigation Branch), dated Simla, [3]rd July 1872, No. 526-I. :—

I AM directed to forward for informat[ion] the papers specified on margin rela-
tive to certain woods of the Andaman
forests and the price at which they
could be delivered in Calcutta. In
calculating the latter the Superintend-
ent 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.

Result of Experiments on the stiffness of a few of the various woods from the Andaman Forests, as made at Port Blair, January 1872.

No.	Burmese name.	Number of trials.	Length in feet.	Depth in inches.	Breadth in inches.	Deflexion in inches. ths.	Weight producing deflexion in lbs.	Average.	Breaking weight in lbs.	Constant. c.	Average weight per cubic foot. lbs.	Plentiful or otherwise.	To what average size procurable. Inches in diameter
1. (A.)	Padouk ...	1	3	1½	1½	5/8	663	630	916	·0072152	49½	Plentiful.	24
		2	3	1½	1½	5/8	669		973				
		3	3	1½	1½	5/8	677		914				
2. (B.)	Pyenmah ...	1	3	1½	1½	5/8	383	364	723	·0128895	41	Plentiful.	36
		2	3	1½	1½	5/8	348		551				
		3	3	1½	1½	5/8	360		652				
3. (C.)	Yonay gyee ...	1	3	1½	1½	5/8	662	634	1,115	·0073935	55	Moderate	20
		2	3	1½	1½	5/8	635		1,150				
		3	3	1½	1½	5/8	605		916				
4. (D.)	Gangna ...	1	3	1½	1½	5/8	706	712	1,325	·0065866	70	Moderate.	16
		2	3	1½	1½	5/8	708		1,213				
		3	3	1½	1½	5/8	661		1,018				
5. (E.)	Thingan ...	1	3	1½	1½	5/8	460	[illegible]	681	[illegible]	35	Moderate.	[illegible]
		2	3	1½	1½	5/8	472		670				
		3	3	1½	1½	5/8	472		950				
6. (F.)	Toung-peing ...	1	3	1½	1½	5/8	608	554	564	·0140344	32	Moderate	16
		2	3	1½	1½	5/8	853		547				
		3	3	1½	1½	5/8	826		449				
7. (G.)	Bam-bwa ...	1	3	1½	1½	5/8	479	496	724	·0094443	56	Moderate.	20
		2	3	1½	1½	5/8	541		651				
		3	3	1½	1½	5/8	469		651				
8. (H.)	Thimmin ...	1	3	1½	1½	5/8	383	433	605	·0110728	34	Plentiful.	14
		2	3	1½	1½	5/8	467		700				
		3	3	1½	1½	5/8	420		680				
9. (I.)	Kanyeen ...	1	3	1½	1½	5/8	590	611	833	·0076677	49	Plentiful.	22
		2	3	1½	1½	5/8	593		808				
		3	3	1½	1½	5/8	651		815				
10. (J.)	Kyallee-theet.	1	3	1½	1½	5/8	783	786	1,369	·0059663	66	Scarce ...	30
		2	3	1½	1½	5/8	780		1,341				
		3	3	1½	1½	5/8	794		1,297				
11. (K.)	Nabbhay ...	1	3	1½	1½	5/8	348	348	530	·0136795	56	Scarce ...	20
		2	3	1½	1½	5/8	358		567				
		3	3	1½	1½	5/8	332		536				
12.	Teak, Moulmein.	1	3	1½	1½	5/8	442	447	718	·0106579	42	...	...
		2	3	1¼	1¼	5/8	450		781				
		3	3	1¼	1¼	5/8	449		742				

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 c the rule laid down in Tredgold's Elementary Principles of Carpentry has been adopted, see edition of 1853 of the work, section 2, pages 45 and 46.
The block letter following each number in this 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 the Government of India.

Supervisor, P. W. D.

Executive Engineer, Port Blair.

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

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

at Port Blair to test the strength of various woods obtained from the Andaman Forests. directed to inquire at what price the woods marked ... on margin could be delivered in Calcutta.

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.)

W. Gates Captain, R.E.,
Acting 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.

Exd. E. C. Shunker.

Revenue 1872 Sept
No 2703

Govt. of {1872} Madras.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEERS,

&c., &c., &c.

Dated August 5th.

Recd. " 15-

Encl.

G. O., 5th August 1872, No. 1,845.

AUGUST.

Nos. 61-62

Wood.—Letter from the Government of India forwarding papers relative to certain woods of the Andaman forests and the price at which they could be delivered in Calcutta, communicated to the officers concerned.

No 87