(1) பக்கங்களின் எண்ணிக்கை 42

(2) புதுக்கித் திருப்பிய நாள் -12.90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(71)

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	2544	அச்சகம் பலவகை
நாள் :	22-9-1891	198/.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

21. Sheets

ஆவண, கா-1—18,006—15-6-87.

2544/1

22nd September 1891, No. 2544 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General
Account.

Read—the following papers:—

From Major D. McNEIL CAMPBELL, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 9th September 1891, No. 423 W.

With reference to your printed memorandum No. 3210 C., dated 7th July 1891, I have the honour to forward copy of correspondence between the General Superintendent, Public Works Workshops, and this office as to the advisability of obtaining timber for the shops from Burmah. From it it will be seen that I am of opinion that it would not be advisable to do so, as it would be attended with considerable risk, because, as I think, it is not likely that the wood would be carefully examined and duly shipped at Burmah. From the General Superintendent's last letter of the correspondence, it will be seen that he considers that there will be considerable advantage in obtaining wood in scantlings from Burmah than from the local markets and that the loss, which resulted to Government from wood being obtained from Burmah in logs in previous years, would be to a great extent, if not altogether, obviated.

2. I request that, should you agree with the opinion of the General Superintendent, sanction for obtaining wood direct from Burmah may be given, but I still consider that there will be great risk in getting the wood in this manner.

Note by the Chief Engineer, Public Works Department.

The Superintending Engineer, V Circle, expresses himself unable, for the reasons stated in his letter, to support the proposal of the General Superintendent, Public Works Workshops, that a supply of teakwood scantlings should be obtained direct from Burmah.

2. There is much force in the Superintending Engineer's objections, but the undersigned does not consider that they should prevail against the arguments urged by Mr. Wickham.

3. The present state of affairs, as regards timber for sluice shutters, which, as stated by Mr. Wickham, is the chief item of timber work required from the workshop, is almost intolerable; as an instance it may be mentioned that the shutters for the Ramarajapuram surplus sluice, which were ordered nearly two years ago, have not yet been supplied owing to the asserted impossibility of obtaining proper timber.

4. It will be worth while to try any reasonable experiment in order to put an end to this state of things.

5. The experiment proposed by Mr. Wickham may or may not be successful; the undersigned is disposed to look more favorably upon it than the Superintending Engineer, V Circle, does; but even if it fails the loss will be insignificant, while if it succeeds the advantage will be very great.

6. For the above reasons the undersigned recommends that Mr. Wickham's proposals be sanctioned, but twenty tons out of the total quantity ordered should be in lengths of not less than twelve feet and thickness not less than four inches.

Ootacamund,
17th September 1891.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

Order—dated 22nd September 1891, No. 2544 W., Public Works.

The recommendation of the Chief Engineer is approved. The General Superintendent, Public Works Workshops, will accordingly be authorised to obtain from Burmah the teakwood scantlings as proposed.

(True Extract.)

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

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

Exd. A. D. Xavier.
Spare Copies

2544
2

GENERAL.
ACCOUNT.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated September, 22nd.

Recd.

Encl.

G.O., 22nd Sept. 1891, No. 2544 W.

SEPTEMBER.

Teakwood

The recommendation of the Chief Engineer, Public Works Department, that a supply of — scantlings be obtained from Burmah for the Public Works Workshops, Madras, approved.

No. 423W 2544/3

SUPERINTENDING ENGINEER'S OFFICE,
V Circle, Madras,
Chepák, 9th September 1891.

From
Major D. McNeil Campbell RE
SUPERINTENDING ENGINEER, V CIRCLE,

To
THE Chief Engineer
P. W. Department

1P

Enclosures.

Sir,

With reference to your printed Memorandum No. 3210 C. dated 7th July 1891 I have the honor to forward Copy of Correspondence between the General Superintendent P.W. Workshops and this office as to the advisability of obtaining timber for the Shops from Burmah. From it it will be seen that I am of opinion that it would not be advisable to do so, as it would be attended with considerable risk because as I think, it is not likely that the wood would be carefully examined and duly shipped at Burmah. From the General

Superintendent's last letter of the correspondence. it will be seen that he considers that there will be considerable advantage in obtaining wood in Scantlings from Burmah than from the local markets and that the loss which resulted to Government from wood being obtained from Burmah in logs in previous years would be to a great extent - if not altogether obviated

2 I request that should you agree with the opinion of the General Superintendent, Sanction for obtaining wood direct from Burmah may be given. but I still consider that there will be great risk in getting the wood in this manner

I have the honor &c
Sir
Your Most Obed^t Serv^t

D. McW. Campbell Major R.E.
Superintending Engineer
V Circle

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE Chief Engineer
P.W. Dept

Dated 9th
Recd. } September 1891.

ENCLOSURES. 1 File

No. 423 W

G.O. Aug 721 W d/ 15. 3. 84 Pr. B No. 2345 W d/ 16. 9. 86 ✓
.. .. 2752 W d/ 5. 11. 84 .. .. 1885 W d/ 14. 7. 87 ✓
.. .. 2987 W d/ 4. 12. 84 Memo 812 C d/ 18. 2. 89 ✓
.. .. 3170 W d/ 16. 12. 84 .. .. 5400 C d/ 20. 11. 89 ✓
.. .. 806 W d/ 9. 4. 85 .. .. 812 C d/ 18. 2. 89 ✓
.. .. 1566 W d/ 8. 7. 85 .. .. 918 C d/ 25. 2. 89 ✓
.. B .. 1738 W d/ 10. 7. 86 .. .. 1205 C d/ 13. 3. 89 ✓
.. .. 64 W d/ 9. 1. 88 .. .. 5849 C d/ 10. 12. 89 ✓
.. .. 2470 W d/ 15. 5. 87 .. .. 1306 C d/ 13. 3. 89 ✓
.. A .. 600 W d/ 1. 3. 89 .. .. 12 C d/ 3. 1. 90 ✓
.. .. 3210 C d/ 7. 7. 91 ✓

O.W.B.
14. 9. 91.

Timber for P.W. Workshops from Burmah

Forwards Copies of Correspondence with Genl. Supdt. P.W. Workshops & Supg. Engr. Relative to

Chs 75 A
Hrs 17. A

1/39

Presidency P.W. Workshops
Madras, 3 July 1891

No. 821 W

2594/5

From

L. L. Wickham Esqr.
General Superintendent
Public Works Workshops

To

The Superintending Engineer
5th Circle, Madras

Sir,

I have the honor to request that you will be good enough to accord your Sanction for the purchase of the under mentioned Teakwood Planks of sizes for use of the Public Works Workshops from Messrs. McGregor & Co. Timber merchants, Rangoon at Rupees 117 per Ton exclusive of Landing charge &c at Madras.

				Breadth	Thickness
20	Tons	8 Feet & upwards		10" to 12" ×	2¼
50	"	"	"	10" to 12" ×	2½"
50	"	"	"	10" to 12" ×	3"

2 This wood is to be of the best quality the same as is supplied to Europe, and is called in the market "English". The former contract rates.

I have &c
(Signed) L. L. Wickham
Genl. Supdt. P.W. Workshops

No. 243 PWS
7.7.91
From

The Superintending Engineer
5th Circle - Madras

To

The General Superintendent
Public Works Workshops

His No. 821 W - dated 3rd July 1891

The cost of the timber proposed to be purchased - including carriage will come to about Rs 16000 and it is not clear how the General Superintendent knows that the wood is good - or whether the wood is in Madras and he has inspected it

(Signed) D McNeil Campbell
Major RE
Supdg. Engineer V Circle

Presidency P.W. Workshops
Madras, 10th July 1891

No. 910 W

2546/6

From

L. L. Wickham Esquire
General Superintendent
P. W. Workshops

To

The Superintending Engineer
5th Circle, Madras

Sir,

In reply to your letter No. 243 PWS dated 7th Instant, I have the honor to inform you that the Teakwood will be examined before shipment to Madras by the Executive Engineer Rangoon Dn.

2 The wood will come to Rs 2/8 the Foot, allowing for wastage. The old rate was Rs 3/4 per Cubic Foot

3. I asked for tenders through the Executive Engineer Rangoon, and this rate is made out from those of the Contractor recommended by him. It is not worthwhile to get less at a time than 100 Cub ft.

5. The wood is especially for shutter work, and is calculated to last the year

6. It will take two months to get, and by that time, my present stock will be exhausted

I have &c
(Signed) L. L. Wickham
Genl Supdt PW Wkshps

No. 259 PWS
18.7.91

From

The Superintending Engineer
5th Circle

To

The General Superintendent
P. W. Workshops

His No. 910 W. dated 10th July 1891

Attention is invited to Chief
ngineer's Memorandum No 1305 C and
306 C dated 13th March 1889 Communicated
the General Superintendent with
s office No. 6311 and 6312 dated 15th
arch 1889 on the subject of pur-
ase of teakwood for the P.W.
orkshops

Before the purchase of
kwood from Burmah - now pro-
sed. Can be recommended to
Chief Engineer for Sanction
General Superintendent must
w Clearly that the wood obtained
n Burmah will cost - delivered
e workshops less than the price

at

2544/7

at which it can be procured in the local market

3 By this office No. 5853, dated 1st March 1889. the different description of wood - required for the workshops of Specified Scantlings and quantities Every year - are to be obtained - by an annual Contract - to be entered in by the General Superintendent with the local tradesman - for the supply of such wood

(Signed) D McNeil Campbell
Major RE
Supg: Engineer V Circle

Presidency P.W. Workshops
No. 1033 W
Madras 23rd July 1891

From

L L Wickham Esquire
General Superintendent
P.W. Workshops

To

The Superintending Engineer
V Circle Madras

Sir,

With reference to para 2 of your

letter No. 259 P.W.S. dated the 18th July 1891, I have the honor to report as follows:-

The last contract was put in the Fort Saint George Gazette and Messrs. Binny & Co were recommended but for some reason, the contract was given to A. Runga Charriyar

Orders were given to him, as the wood was required. He then, after a great delay, brought some wood. The parts required were then, cut off and he took the rest away.

The wood was fresh sawn and I had a good many complaints about the joints gapping. The wood being brought in this way caused a good deal of trouble and delay. If one piece was rejected, a whole order had to wait until another piece was sawn

When his contract was finished I gave him another order for Stock i.e. for

150 Cubic feet of 3"
200 " " 2½"
& 150 " " 2" } on the

9th May 1891, and the order is not yet completed. The rate was Rs 2.10- the planks being 2" less in width and less in length than those required from Burmah at Rs 2-8- and could be procured at Rs 2- or less. I then asked him for a list of rates a copy of which is enclosed. Taking the dearest size required, 9"×6"×14' of best timber, the Burmah rate is Rs 3-- without heart, and Rs 2-2- with heart, and I do not believe he could supply it without heart, at the rate of Rs 3--

Taking another size 2"×3" the Burmah rate being Rs 1-8- so that the all round rate of Rs 2-8- per Cubic Foot, is very much dearer than that obtained from Burmah. I have asked rates of most of the merchants known to me and the only one that comes near to the Burmah prices is Mr. J. A. Smith of Popham's Broadway. I do not think he has had much experience in supplying and the orders I have given him at present are not carried out satisfactorily. I do not think he would be able to Continue long at his present rates, although I hope to get my beams from him in time at a moderate rate, as well as other orders of a similar nature

I asked Messrs Arbuthnot Co for a rate for a similar order as that for which he asked for tenders in Burmah their rates delivered at the beach, was Rs 130 per Ton, against Rs 123 delivered at the workshops or 2 Annas a Cubic foot more: This extra 2 annas may be put down as their agency profit which will be avoided, as the agency will be done by Government

Shutter work being the work which is mostly made in the workshop, I am especially giving attention to, and the only delay is now in obtaining the wood, and this will be avoided by having a stock of wood ready to hand, well seasoned and sound throughout. I shall still have to purchase quantities of wood locally

and

and if I find that I can get wood Cheap, and of a good quality locally, I can Cease ordering from Burmah

It is very natural that Scantling Can be procured from Burmah ready Sawn Cheaper than if sawn here, as the waste wood has not to be brought over from Burmah. Also as the merchants have large orders for all sorts of wood they can cut large planks out of the best of the log without leaving the rest in hand until they have a new order as must be the Case with Comparatively small merchants in Madras.

The enclosed rates of other Scantlings obtained from Burmah, will shew that wood Cannot be got Cheaper over here

I believe that the Government issued an order that no logs were to be obtained from Burmah, as wood Came to Rupees 3.8. per Cubic Foot, but I cannot find any record about. Scantlings being procured from Burmah

A year ago a lot of wood

was Condemned, and most of the Stock was written off at a loss This was the result of cutting up logs, and not from obtaining Scantlings and I have allowed 10 Pies per Cubic Foot for wastage

I have &c
(Signed) L. L. Wickham
Genl. Superintendent
P. W. Workshops

Madras 10 June 1891

3544/10

To

L. L. Wickham Esquire
General Superintendent
P. W. Workshops Madras

Sir,

I beg to inform you that I shall supply you the Teakwood Scantlings and Planks at the following rates any quantity that you may require for the workshop use, as I have much stock in hand

Description	Scantlings Maxm	Scantlings Minimum	Rate	Planks Maximum	Planks Minimum	Rate
Thickness	8"	2"	@	"	1"	@ "
Width	12"	3"	Rs 2-8 per	15"	6"	Rs 2-14 per Cft
Length	14'	4'	Cft	14'	4'	

Square Logs 5' to 10' ft in length and
— " — 9" to 18" in breadth at
Rupees 1-14 per cft

Square Logs 11' to 24' ft in length and
— " — 10" to 18" in breadth at
Rupees 2-2 per cft

Round Log 5' to 10' ft in length and
4' to 8' ft Girth at 45 Rs
per Ton

Round Log 11' to 25' ft in length and
5' to 8' Girth at Rs 125/
per Ton

I remain &c

(Signed) A. Rungachary
No 15 Suryanarayan Chetty
Street Royapuram

(True Copy)

Price List of Teak-timber in lengths of 6 ft & upwards f.o.b. Rangoon

Breadth	Depth	Rate per ton for delivery at Madras Roads	Rate per ton including incidental Charges	Workshop rate per Cft	Breadth	Depth	Rate per ton for delivery at Madras Roads	Rate per ton including incidental Charges	Workshop Rate per Cft
		Rs a p	Rs a p	Rs a p			Rs a p	Rs a p	Rs a p
2"	½"	55 - -	75 - -	1 8 -	8"	½"	115 - -	137 8 -	2 12 -
2"	1"	35 - -	56 4 -	1 2 -	8"	1"	80 - -	100 - -	2 - -
2"	2"	45 - -	68 12 -	1 6 -	8"	1½"	85 - -	106 4 -	2 2 -
3"	½"	55 - -	75 - -	1 8 -	8"	2"	85 - -	106 4 -	2 2 -
3"	1"	45 - -	68 12 -	1 6 -	8"	3"	85 - -	106 4 -	2 2 -
3"	1½"	55 - -	75 - -	1 8 -	8"	4"	85 - -	106 4 -	2 2 -
3"	2"	55 - -	75 - -	1 8 -	9" or 10"	1"	105 - -	125 - -	2 8 -
3"	3"	65 - -	87 8 -	1 12 -	9" or 10"	1½"	95 - -	118 12 -	2 6 -
4"	½"	75 - -	100 - -	2 - -	9" or 10"	2"	95 - -	118 12 -	2 6 -
4"	1"	50 - -	68 12 -	1 6 -	12"	1"	115 - -	137 8 -	2 12 -
4"	1½"	60 - -	81 4 -	1 10 -	12"	1½"	110 - -	131 4 -	2 10 -
4"	4"	65 - -	87 8 -	1 12 -	12"	2"	105 - -	125 - -	2 8 -
4"	2½"	75 - -	100 - -	2 - -	6"	6"	60 - -	81 4 -	1 10 -
4"	3"	75 - -	100 - -	2 - -	8"	8"	60 - -	81 4 -	1 10 -
4"	4"	75 - -	100 - -	2 - -					
5"	1"	75 - -	100 - -	2 - -	Over 8 ft length				
5"	2"	70 - -	93 12 -	1 14 -	10" to 12"	2"	105 - -	125 - -	2 8 -
5"	2½"	80 - -	100 - -	2 - -	10" to 12"	2½"	105 - -	125 - -	2 8 -
5"	3"	80 - -	100 - -	2 - -	10" to 12"	3"	105 - -	125 - -	2 8 -
5"	4"	80 - -	100 - -	2 - -	12" to 15"	2 to 3"	120 - -	143 12 -	2 14 -
5"	5"	90 - -	112 8 -	2 4 -	12 ft & upwards				
6"	½"	95 - -	118 12 -	2 6 -	12"	9"	73 - -	81 4 -	1 10 -
6"	1"	65 - -	87 8 -	1 12 -	10"	5"	133 - -	137 8 -	2 12 -
6"	1½"	65 - -	87 8 -	1 12 -	9"	6"	138 - -	150 - -	3 - -
6"	2"	75 - -	87 8 -	1 12 -	9"	6"	98 - -	106 4 -	2 2 -
6"	2½"	75 - -	87 8 -	1 12 -	6"	4"	108 - -	118 12 -	2 6 -
6"	3"	85 - -	106 4 -	2 2 -	4"	4"	98 - -	106 4 -	2 2 -
6"	4"	90 - -	112 8 -	2 4 -					

(Signed) L. L. Wickham
General Superintendent PWD

No. 266. P.W.D
29.7.91

25¼/12

From
The Superintending Engineer
V Circle

To

The General Superintendent
P.W. Workshops

Your letter No. 1033 W dated 23rd July 1891

—

I cannot help thinking that it is risky getting Scantlings from Burmah. The Executive Engineer Rangoon is not likely to examine the wood carefully himself and will probably depute a subordinate to do so and the latter may or may not take trouble in the matter. But even supposing the wood to have been carefully examined and passed. how are we to know that the same wood is shipped without an Agent to watch. The fact of the Contractor charging high rates here shows the amount of risk involved. and I cannot but think that it is safer to buy from local merchants than to obtain it through the

Executive Engineer Rangoon - It is a Speculation that I think had better be avoided - If a trustworthy man could be sent over to select the timber and see it shipped and bring it to the Shops, it would be a different matter

(Signed) D McNeill Campbell
Major RE
Supg: Engineer V Circle

Presidency P. W. Workshops
No. 1265-W Madras, 17th August 1891

2544/13

From

L. L. Wickham Esquire
General Superintendent
P.W. Workshops

To

The Superintending Engineer
V Circle Madras

Sir,

In continuation of my letter No. 1033 of the 23rd July 1891, and with reference to your No. $\frac{266}{PWD}$ of the 29th Idem, I have the honor to state that, owing to the high rates in Madras, it seems to be worth some risk, if any, to get wood from Burmah in Scantlings. If this were done once, I am certain it would greatly reduce the rates in Madras and the Burmah Rates would then become a Standard to a certain extent.

2. The Sizes required, even if found unsound, are easily cut up into other Scantlings, rejecting the bad portions allowing even 10 per cent of the whole for wastage, I should be better off

than I am now

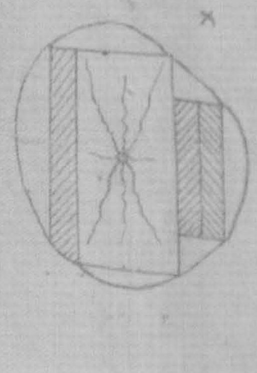
3. I have made 8 feet the minimum length, so that I may cut off the length I require six feet being the maximum, so that supposing there is a hole in the wood, that part can be left out and the loss is very small

4 If there be a longitudinal crack, each part can be used to make up the remaining height of a Shutter

5 This is the reason why I have only asked for Sanction for certain Scantlings, on which the risk is small. The wood must be of the description if I cannot get it Cheaper even including great wastage

6. Wood Comes over here, mostly in Square logs which are more or less the refuse of the Sawings in Burmah to make the wood Square planks have to be cut off on each side the majority of which are of the best timber. and this is the timber, I expect to get

2544/14



7 The accompanying sketch will, I hope, shew what I mean, and this will explain the increased rates for above 12 inches in width and the Cheapness of one Inch planks which are cheaper than two inch, as the thinner the planks the more easily are they obtained, although the sawing per Cubft is more

8 Square logs take up less room in a ship, and so are cheaper, but it is very hard to get good planks from them, as the Centre of the planks Comes too near the heart of the wood, which is apt to crack, and is more liable to be unsound, and this is, I believe, the reason why the rates in Madras, are high

9 It does not seem to me to be likely, that any Subordinate, however careless, would pass wood so bad, to preclude all use of it, nor do I think it probable, that a Contractor would risk the loss of large orders, by sending bad wood.

10 If the wood were required of fixed lengths, as for instance, Beams, the risk, owing to the Carelessness of the Subordinate, would be much greater, as one hole would render the whole useless

11 All the wood could easily be branded with a handmade punch in the workshop and broken on Completion of the inspection. This would prevent fraud in changing the wood from the yard to the shop

12. The wood is also sawn by large Circular saws, and is therefore more easily planed

13 To sum up, not only do I find that it is next to impossible, to get sound wood of the dimensions required, but that it is 25 per cent dearer than that obtained from Burmah

I have &c
(Signed) L. L. Wickham
Genl. Superintendent
P.W. Workshops

(True Copies)

Major R.E.
Superintending Engineer
V Circle

P.W.D.

2544/15

Letter from the Supdg Engineer V Circle
No. 423 W dated September 9. 1891.

Note by the Chief Engineer P.W.D.:—

The Supdg Engineer V Circle expresses himself unable, for the reasons stated in his letter, to support the proposal of the General Superintendent P.W. Workshops that a supply of teakwood scantlings should be obtained direct from Burmah.

2. There is much force in the Supdg Engineer's objections, but the undersigned does not consider that they should prevail against the arguments urged by Mr. Wickham

3. The present state

of affairs, as regards timber for sluice shutters, which as stated by Mr Wickham is the chief item of timber work required from the Workshop, is almost intolerable; as an instance it may be mentioned that the shutters for the Ramrajpuram surplus sluice which were ordered nearly two years ago have not yet been supplied owing to the asserted impossibility of obtaining proper timber.

4. It will be worth while to try any reasonable experiment in order to put an end to this state of things.

5. The experiment proposed by Mr Wickham may or may

F.W. Major RE
Superintending Engineer
V Circle

3 P [illegible]

3584/16

not be successful; the undersigned is disposed to look more favorably upon it than the Supdg Engineer V Circle does, but even if it fails the loss will be insignificant, while if it succeeds the advantage will be very great.

6 For the above reasons the undersigned recommends that Mr Wickham's proposals be sanctioned, but twenty tons out of the total quantity ordered should be in lengths of not less than twelve feet and thickness not less than four inches.

E.W.

Ootacamund
September 17. 1891

Note by S. M.

2564/17

The Superintending Engineer V Circle expresses himself unable, for the reasons stated in his letter, to support the proposal of the Genl Supdt P. W. W. that a supply of teakwood scantlings should be obtained direct from Burmah -

There is much force in the Superintending Engineer's objections, but the undersigned does not consider that they should prevail against the arguments urged by Mr Wickham -

The present state of affairs, as regards timber for these shutters which is stated by Mr Wickham is the chief item of timber work required from the Workshops, is almost intolerable; and no doubt it may be maintained that

---

2564/20

From

~~FOR~~ ORDERS.

~~No 2564~~

The recommendation of the Chief Engineer is approved. The General Supt. P. W. Workshops will accordingly be authorised to obtain from Burmah the teakwood scantlings as proposed.

S

5.9

S. E. V circle

S E V Circle

Exe. P. W. Accts.

Ol 25.H

Am 17.H

The shutters for the ~~[illegible]~~ Running Room [illegible] complete which were ordered many [illegible] years ago have not yet been supplied owing to the impossibility of obtaining proper timber.

It will be worth while to try any reasonable experiment in order to find out the state of things.

2564/8

The experiment proposed by Mr Whitaker may or may not be successful; the undersigned is disposed to look more favourably upon it than the S.E. 1st Circle does, but even if it fail the loss will be insignificant, while if it succeeds the advantage will be very great.

For the above reasons the undersigned recommends that Mr Whitaker

---

2564/20

From
~~FOR~~ ORDERS.

No. 2564 [illegible]

The recommendation of the Chief Engineer is approved. The General Supdt. P.W. Workshops will accordingly be authorised to obtain from Burmah the teakwood scantlings as proposed.

S.C.S.

S.E. 1st Circle
S.E. 1st Circle
Exec. P.W. Works
[illegible] 9/16

Obs 75.H [illegible]

prospectively be insisted,
thirds
that two out of the total quantity indented should be in lengths of not less than twelve feet and thickness not less than four inches.—

2544/19

Fair copy & send
w/ [illegible] orders

For orders

2544/20

From
~~FOR~~ ORDERS.

~~No 2544~~

The recommendation of the Chief Engineer is approved. The General Supdt. P.W. Workshops will accordingly be authorised to obtain from Burmah the teakwood Scantlings as proposed.

S.C.S

S.E. V circle
S.E. [illegible] Circle
Exe. P.W. Accts.
[illegible]

Obs 75.H
[illegible] 17.H [illegible]

2564/20

From
~~FOR~~ ORDERS.

No 2564 W/20 [illegible]

The recommendation of the Chief Engineer is approved. The General Supt. P.W. Workshops will accordingly be authorised to obtain from Burmah the teakwood Scantlings as proposed.

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S.C.S

S.E. V circle
S.E. IV Circle
Exr. P.W. Accts.
Nagpur
3/1/16

Obs 75-H
Kn 17-H MR-H

P. W. D.

Read the foll

Letter from the S. E. V Circle No. 423 W d/ 9.1

Note by the Chief Engr. P. W. D. d/ 17.1x.91

For Orders

2544/21

9640

1891.

Public Works Department.

No.

Dated

Despatched

Received

22nd Septr 1891 No 2544W.

SUBJECT.

Teak wood.

The recommendation of the Chief Engineer P.W.D. that a supply of — scantlings be obtained from Burmah for the P.W. Workshops Madras — Approved.

J 22/9