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PRICE-SIZE RELATIONSHIP OF TEAK IN MAHARASHTRA

S. W. MURANJAN

**ECONOMIC RESEARCH CENTRE,
INSTITUTE OF POLITICS AND ECONOMICS,
104.**

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PREFACE --

Data on the prices of forest produce are not readily available in our country. Though the Forest Departments in the different States sell quite a considerable volume of the forest produce grown in the public forests, the State Governments do not publish these marketwise price data, which otherwise could be useful to researchers in different agencies for the economic analysis of the forestry problems. An attempt was made by the Forest Department of the then Bombay State to compile and print for official use, the prices realized for the forest produce at some important Government timber depots in the State but even this practice was discontinued after 1960-61.

The present study is based on the price data collected by the staff of the Forest Department of Maharashtra, which was on deputation with the Gokhale Institute of Politics and Economics, Pune, during 1967-70. We took up the present study in the Agro-Economic Centre of the Ministry of Agriculture and Irrigation, located at the Institute and made use of these data with a view to present and analyse the price data for three important Government timber depots in the State at Ballarshah, Nasik and Paratwada. As the staff on deputation had collected the data only up to 1968, the scope of the study was restricted to around a decade i.e. 1958-1968. Part II of the study gives the average quarterly prices realized for the different Trade Qualities and size classes of teak logs and poles sold at the three depots during the above period. The same data are analysed in Part I with a view to observe the price variability, seasonality and the price-size relationship.

The Chief Conservator of Forests, Maharashtra State, has permitted vide his letter No. Desk-15/128 of 1979-80 dated 12th September 1979, the cyclostyling of the study for its "internal distribution for research workers having interest in such topics". We are grateful to the Chief Conservator for his permission and valuable comments on the original draft of the study.

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SECTION I

INTRODUCTION

1.1 Objective

Studies on many aspects of the forest economy in India get confronted with a major difficulty that the price data for the forest products grown in the country are not always available in a systematic form. Serials such as the Index Number of Whole Sale Prices in India report the prices for only three of the many important species in the country and that too for only a single size class at a single market for each species. The quarterly timber price bulletins of the Forest Research Institute and Colleges, Dehradun, report the market rates for round wood and sawn timber of a number of species at a number of markets in the country. But, these bulletins report the prices for sawn timber, irrespective of the size and for round wood of different girths irrespective of their lengths. The reportings in these bulletins are again so much tied up to the availability of the information from the States in time, that one finds the phrase 'Not reported' against many markets, instead of the price.

Other sources for price, such as the Reserve Bank of India Bulletins and the Indian Forest Statistics of the Directorate of Economics and Statistics, Ministry of Agriculture, either report the prices in a similar manner or report either a price range or an average price for a few major species irrespective of the size. The present study was, therefore, undertaken with the prime objective of presenting as well as analysing the price data sizewise for teak which is the major species of wood growing in the forests in Maharashtra.

1.2 Marketing of Wood

The forests in Maharashtra are exploited either by the Forest Department itself or through the agencies of the Forest Labourers' Co-operative Societies and private contractors. When the forest coupes ¹ are auctioned to the contractors, the price gets determined not for any individual tree but for the whole group of trees within a forest coupe, marked for felling. When the forests are exploited through the Forest Department and the Forest Labourers' Co-operative Societies, the trees are felled, logged and fashioned and the wood is brought to the depots for sale. The wood is then graded, arranged in lots and auctioned after determining the cubic content of the material in each lot. In some cases the logs are sawn and auctioned as sawn timber.

1.3 Logging Practices

When a felled tree is cut into pieces for transportation, it yields logs, poles and posts according to the dimensions of the tree. Logs are round woods of any length but they have a mid-girth of 45 cms. and over. Poles are also round woods but they have a mid-girth of 25 cms. to under 45 cms. and a length of 3 m. and over. Posts have a length of 2 m. to under 3 m. and a mid-girth of under 45 cms. The twigs and small branches which remain after cutting a tree into the above categories, are left in the forest itself for preparing a 'rab' or are sold as firewood or are used for making charcoal.

After felling a tree, the size of the poles and logs to be cut out of it, is determined after taking into account the girth of the tree and the quality of the material it

1 A felling area, usually one of an annual series.

contains at various heights. The conversion of a felled tree into logs and poles of different sizes is always determined by the maximum net returns, a size of the log or pole can fetch in the market after dragging and transport. As the higher Trade Qualities 1/ normally fetch a higher price for the same dimensions of timber, utmost importance is attached to obtaining a log of high Trade Quality over its entire length. First preference is thus given to the Trade Quality and the second to the length in cutting a tree into poles and logs.

1.4 Markets for the Wood

The private contractors sell the material through their own depots established at important places near the forests, exploited. The forest labourers' co-operative societies also maintain their own depots near their places of work and auction the material with the previous sanction of the Forest Department and in the presence of their representative. The material exploited by the Forest Department is sold either in the jungle depots or brought for auction to Government forest depots at important places. Generally, firewood, logs of non-teak species and other low-value material are auctioned at the jungle depots whereas high-value material is brought for auction to the Government Depots.

Out of around two thousand coupes which are available for felling annually, 15 to 20 per cent coupes are exploited by the Forest Department and around 40 per cent by each of the agencies of the private contractors and the forest labourers' co-operative societies. 2/ Coupes around large market centres and those containing high-value material are generally exploited by the Forest Department. Quite a large number of provisional and permanent depots have been established by the Forest Department all over the State. Five of these depots viz. those at Ballarshah, Nasik, Paratwada, Sawata and Khandbara 3/ have developed into large timber markets. Quite a sizeable quantity of logs and poles exploited by the Forest Department from the surrounding regions, are auctioned at these depots.

1.5 Grading the Wood

The poles and logs brought to the sale depots are graded according to their Trade Quality; and further into size classes according to their girth and length. Posts are never graded and they are sold in bulk mainly at the jungle depots. In the recent past, poles and logs were being graded into varying size classes at different depots. The Trade Qualities and the size classes have been standardized now and the round timber is being graded according to the standard Trade Qualities and size classes.

The Trade Quality specifies the nature of the knots, cracks, shakes, sponginess and hollowness of the heart, and splits, straightness, wounds, flutes, twists etc. In accordance with these specifications logs are graded into four Trade Qualities viz., (1) Plywood Quality, (2) Trade Quality I, (3) Trade Quality II and (4) Trade Quality III or Saw Quality

1 The Trade Quality specifies the quality of wood with respect to the number of knots, cracks, straightness etc. It is discussed under 'Grading the wood' after a few pages.

2 Exploitation of Forest through Forest Labour Co-operatives in Maharashtra, S.W. Muranjan, Artha Vijnana, Vol. XVI, No.2, p.127.

3 (i) Ballarshah-Chandrapur district, (ii) Nasik-Nasik district, (iii) Paratwada-Amaravati district, (iv) Sawata-Thane district, (iv) Khandbara-Jalgaon district.

miscellaneous. The characteristic features of these Trade Qualities are noted in Appendix 1. The poles are classified into three classes as class I, II and III, according to their straightness, hollowness, number of knots etc.

The standardized girth and length classes adopted at present for round wood at all Government depots are noted below. It is customary to measure the girth nearest to one centimetre but the length, nearest to 5 cms. A log having a length of 2.98 m. for example, would be assumed to have a length of 3 m.

<u>Girth classes (in cms.)</u>	<u>Length classes (in m.)</u>
1. Below 25	1. Below 2.0
2. 25.0 - 29.9	2. 2.0 - 2.95
3. 30.0 - 44.9	3. 3.0 - 3.95
4. 45.0 - 59.9	4. 4.0 - 5.95
5. 60.0 - 74.9	5. 6.0 - 7.95
6. 75.0 - 89.9	6. 8.0 - 9.95
7. 90.0 - 104.9	7. 10.0 and above.
8. 105.0 - 119.9	
9. 120.0 - 134.9	
10. 135.0 - 149.9	
11. 150.0 and above.	

Logs, poles and posts can now be described more precisely with reference to the standardized girth and length classes noted above. A log is a round wood having any length but a girth falling in one of the classes numbered 4 to 11. A pole is a round wood having a length specifically falling in one of the upper length classes numbered 3 to 7 and a girth falling in one of the lower girth classes numbered 1 to 3. Posts are those round woods which have a very short length, in the class numbered 1 or 2 and a very small girth, in any one of the classes numbered 1 to 3.

Though the girth and the length classes noted above are specified in decimal numbers, it is customary to refer to these class limits by their whole digits. For example, girth class 60.0 - 74.9 cm. can be written simply as the class 60-74 cm. It is also customary to write the above class as 60 U 75 where the alphabet 'U' is used to denote the word 'under'.

SECTION II

COMPILATION OF THE DATA

2.1 Sources of Data for the Price

It was the practice with the Forest Department in the then Bombay State to publish six monthly price bulletins showing market rates of round and sawn timber, fire wood and charcoal, prevailing at a number of market centres. These rates, as the term itself indicated, were mere estimates of the round about prices prevailing at a market during a six monthly period. Again, rates were being reported in these bulletins for logs, poles, posts, and beams of teak and logs of 'injali' woods ^{1/} without reference to the size to which the wood belonged. The compilation and publication of such bulletins was discontinued after 1960. This source of price, which did not take into account the size of the wood, was, therefore, of no use for any sizewise analysis of the actual prices or their movements.

Another source for the data was the series of the Annual Reports of the Forest Utilization Officer of the Forest Department in the then Bombay State, which were being printed for official use. These reports again published the market rates only at Bombay upto the year 1956-57. The practice was, however, changed thereafter to reporting in detail the prices of logs and poles by length and girth class and by the Trade Quality for the Ballarshah, Nasik and the Paratwada depots in respect of the important species, for the auctions held during a year. The publication of these reports was discontinued after 1960-61. Yet these reports contained very useful sizewise price data for the three markets over the period 1958-1961.

Another practice with the Forest Department in the Maharashtra State was to compile the Sale Result Sheets for each auction held at the different depots. These Sale Result Sheets reported the volumes sold and the values realized for each category, Trade Quality and size class of wood of different species. Copies of the Sale Result Sheets were being filed in the office of the Forest Utilization Officer, Pune, for the depots at Ballarshah, Nasik and Paratwada. They were available from the year 1962 onwards. However, the Sale Result Sheets for the year 1962 and 1963 reported only the price per m³ and not the volumes and values like those for the later years. The reports of the Forest Utilisation Officer (1957-58 to 1960-61) and the Sale Result Sheets (1962 onwards) thus reported the price of each category, Trade Quality and size class of timber of the different species for each auction at the above three markets for the years 1958 onwards.

2.2 Compilation of the Data

The reports of the Forest Utilization Officer reported mainly the prices for teak and rarely the prices for the other species. The Sale Result Sheets reported regularly the prices realised at the sales of a number of species, but the sales for a single size class of the non-teak species were so infrequent at these depots that it was not possible to prepare a continuous price series for each size class of the non-teak species. The non-teak species were being sold not only at these three main depots but also at the jungle depots. The price analysis

1 Local miscellaneous non-teak species taken together.

in this study was, therefore, restricted to teak only.

Auctions were generally held at these depots two to six times during a year at some interval between two auctions to enable arrangement of the material for sale and the removal of the material thereafter. On account of the small number of auctions during a year, it was thought that the price data be presented in this study in the form of quarterly average prices for each size class in a quality class of the logs and poles of teak. Accordingly, the January-March quarter was denoted as the I quarter; the April-June quarter was denoted as the II quarter and so on. Auctions were generally not held in July-September and hence data were not compiled for the III quarter. ^{1/} The auctions for the freshly-felled timber commenced during the I quarter. The old stock of the fellings was being disposed of during the IV quarter.

Only one or two auctions were possible during a quarter. Out of the large number of size classes in a quality class of a species e.g. as many as 56 size classes in any one of the Trade Qualities I, II and III of teak, only a few size classes were being auctioned at a time. Logs or poles of a single size class in a quality class of a species were rarely presented for sale at two consecutive auctions in a quarter. The quarterly average prices given in this study are, therefore, in most cases the same as the actual prices received for a size class in a quality class at a single auction. In a few cases, however, when a size class was presented for auction at two consecutive auctions during a quarter, the average price for it had to be worked out either by averaging the two prices received at the two consecutive auctions or by weighting them by the quantities if the quantities sold were also available. These basic price data for teak are presented for the period 1958-1968 in 63 tables in Part II of the study and the same are analysed in Part I.

The data used in this study are somewhat old. As the sizewise data were available only since 1958, it was decided that the compilations should commence from the initial year itself and end with a period of about a decade. Another reason for the restriction of the period upto 1968 was that the basic data from the Sale Result Sheets was already collected upto 1968 by the staff of the Forest Department which was deputed to the Gokhale Institute during the period 1967-1970. It was therefore decided to restrict the study only to the period upto which the data were collected by the staff on deputation under the guidance of Shri G.S. Chandras, D.F.O. from the Forest Department. As the basic objective of the study was to elucidate the importance of size in the marketing of wood, it was thought that the readily available data, even though for the prior decade, would serve this purpose well.

Though all efforts were made by the staff on deputation to copy all sale result sheets for the three depots, available through the old files at the Office of the Forest Utilisation Officer, Pune, there is a possibility that it may not have been possible to trace the records for a few auctions, especially those held at Ballarshah in 1966, at Nasik in 1961 and at Paratwada in 1962. There is also a possibility that there may not have been any sales of a particular size during certain quarters. This has left a number of gaps in the

1 A few auctions held in September were treated as being held in the IV quarter for convenience.

quarterly average prices presented in these tables. The quarters for which we do not possess any data on account of the above reasons are, therefore, not included in the tables in Part II. On the whole, however, it appears that the data are available for quite a sizeable proportion of the auctions.

2.3 Scheme of Presentation of the Tables in Part II

While compiling the price data, it was observed that timber in certain size classes, especially the middle size classes, was auctioned at these depots practically in every quarter or at least in one of the three quarters of a year. Timber in the lower and the upper size classes was, however, sold at these depots rarely. It would not have been proper to present prices for the timber of the uncommon size classes in a tabular form in the tables in Part II on account of the small number of auctions in only a few quarters of the eleven year period. The average prices for such uncommon size classes are, therefore, merely listed under the different size classes in some of the tables in Part II. The prices for the timber in the frequently auctioned size classes are, however, presented in a tabular form and the same are only used for the analysis in Part I.

The tables in Part II give the quarterly average prices, girth-classwise and length-classwise. Each table is compiled to give girth-classwise prices for a single length class in a quality class of the logs and poles of teak at a market. However, where the data were available for only a few girth classes under a length-class, prices for two or three length-classes are included in a single table. Some of these tables are appended with sub-tables giving only a list of the prices for those size classes for which the number of sales during the period was fairly small.

Tables 1.1 and 1.2 give the quarterly average prices for teak logs of the Plywood Quality at the Ballarshah depot. Table 1.1 gives the prices for the frequently auctioned size classes and Table 1.2 gives the prices for the other size classes. The forests in Chandrapur district produced high quality teak and hence teak logs were graded into the Plywood Quality, at this depot only.

Tables 2 to 19 give the prices for teak logs of Trade Quality I at the three depots. Teak logs of Trade Quality I were auctioned frequently at the Ballarshah and the Nasik depots whereas the same were auctioned rarely at the Paratwada depot. Only the prices for the former two depots are, therefore, presented in a tabular form in Tables 2 to 14 whereas the prices for the Paratwada depot are merely listed in Tables 15 to 19.

The prices for teak logs of Trade Quality II at the three depots are noted in Tables 20 to 37. This Trade Quality of teak logs was marketed frequently at all depots.

Tables 38 to 51 give the prices for the teak logs of Trade Quality III at the three depots. However, this Trade Quality was marketed frequently only at the Paratwada depot. The prices for only the Paratwada depot are, therefore, presented in a tabular form.

As would be revealed from the tables presented in the tabular form, the Ballarshah and the Nasik depots auctioned mainly the I and the II Trade Quality of teak logs and the Paratwada depot auctioned mainly the II and the III Trade

Quality. The Plywood Quality, as noted earlier, was auctioned only at the Ballarshah depot. The data for only the above noted Trade Qualities at the respective depots are, therefore, taken into account for the analysis in Part I.

Prices have been compiled in these tables generally for the length classes from 'under 2 m.' to '10 m. and over' and for the girth classes from '45.0 - 59.9 cm.' to '150 cm. and over'. However, from the absence of data for certain size classes in the Sale Result Sheets, it appears that logs below or over certain girth and length classes were not auctioned at certain depots. For example, logs above 8 m. were not auctioned at the Paratwada depot whereas those with less than 60 cm. girth were not auctioned at the Ballarshah depot. Again, at the Ballarshah and the Nasik depots, I and II Trade Quality logs were available in longer lengths whereas the III Trade Quality logs had generally a shorter length. Though the tables give prices for all the length and the girth classes auctioned at these depots, the analysis in Part I is restricted to those length and girth classes in which the number of observations was somewhat sizable. It should be noted that logs in the girth class '150 cm. and over' included at times logs of upto 210 cm. in girth and hence the quarterly average prices for this girth class showed considerable variations for the consecutive quarters. This girth class was, therefore, excluded from the analysis in spite of a sizeable number of observations.

Tables 52 to 63 give the quarterly average prices for teak poles of Class I, II and III. Mainly the Class I poles were auctioned at the Ballarshah depot and the Class II and III poles were auctioned at the Nasik depot. All the three classes of poles were auctioned at the Paratwada depot. However, the number of sales of poles in each size class at the different depots was so small that the data could not be presented in a tabular form except for the class I and II poles sold at the Paratwada depot. No use could also be made of the data for the poles sold at Ballarshah and Nasik depots in the analysis in Part I on account of inadequacy of the data.

2.4 Outline of the Analysis

Besides presenting the price data from the two available sources, the study aims to analyse the data with the following objectives :

1. To note the proportions in which teak logs and poles of different size classes and Trade Qualities were auctioned at the three depots,
2. To study the price variation and the effect of seasons of sale on the price of teak, and
3. To study the effect of girth, length and Trade Quality on the prices of teak logs at the three depots, located in different areas of the State.

Section III in Part I analyses the proportions in which teak timber of the different size classes and Trade Qualities were supplied to the three depots. This is done with a view to identify those size classes which were supplied in greater quantity (and may be even produced in a greater quantity), when compared with the others. Section IV examines the price variation and the influence of the quarter of sale on the price of logs at the three depots to ascertain if there existed a

seasonality of price as in the case of the agricultural commodities. An attempt is made in Section V to bring out the price size relationship of teak at the three depots. The problem is analysed with a view to note the extent of the increase in the price of logs with every increase in the girth class. An attempt is also made here to work out the premium in price obtained for each girth class and to observe if these premia varied at different depots. A regression model is used to find out the rates at which the price of logs increased with every increase in the girth as well as the length. Finally, the results from the analyses are summarized in Section VI.

SECTION III

QUANTITIES SOLD AT THE SELECTED DEPOTS

3.1 The Nature of the Selected Markets

On account of the proximity to the highly productive forest areas in the State, Ballarshah, Nasik and Paratwada have developed into large market centres for the wood extracted from the coupes by the Forest Department as well as the forest contractors. The forest contractors also maintain their sale depots at the above places. They, however, sell the wood, not by holding open auctions but by negotiating the price with the traders in different parts of the country. The same traders or their representatives participate in the auctions held at the Government depots.

The Ballarshah depot receives the supply of wood from the coupes worked in the West, South and the Central Chandrapur divisions and the Allapalli division. The Paratwada depot receives its supply from the East and the West Melaghat divisions and the Nasik depot, from the West Nasik division. The annual supply of wood to these depots, however, varies from one year to the other on account of a number of reasons. It varies according to the quantity of wood available for extraction from each coupe. It also changes with the number of coupes worked departmentally in each division during a year. Besides, all the wood extracted from the coupes worked by the Forest Department is not sold always at these central depots. A part of it is auctioned at the other forest depots and the jungle depots in the area according to the availability of transport facilities and the expectations about its value in relation to the costs involved in loading and unloading it at different points. This factor also leads to some variations in the quantities available for sale at a depot in the different years.

However, all the teak wood which exceeds a certain length and girth, is always sent to these central depots for sale. It would not be, therefore, improper to presume here that these depots are supplied with teak wood of different Trade Qualities and sizes, more or less, in the same proportions in which these qualities and sizes are produced in the coupes.

We now note the proportions in which teak wood of the different Trade Qualities and the sizes was sold at the different depots by using the data for the quantity sold, which was available for the period 1964-1968. This would enable us to compare the qualitywise and the sizewise proportions of the teak wood sold at these depots and it would also give us some indication about the proportions in which teak wood of the different Trade Qualities and sizes was produced in the coupes worked by the Forest Department around the different markets. Instead of examining the proportions at a depot in each year, we however, examine the proportions at a depot by pooling the data for the five years together. This would average out the annual as well as the coupe to coupe variations and it would also minimise the effect of the possible absence of data for any auctions for reasons noted earlier. The proportions for the quantities sold during 1964-1968 are examined below.

3.2 Quantities of Logs and Poles sold under the different Trade Qualities

The quantities of logs of the Plywood Quality and the Trade Qualities I, II and III, sold at the Ballarshah, Nasik and the Paratwada depots during 1964-1968 ^{1/} are noted in Table 1. The quantities of Class I and Class II poles sold at the Paratwada depot are also noted in the same table.

The table indicates that it was mainly the Trade Quality II of logs that was largely sold at all the three depots. This Trade Quality accounted for around 70 to 80 per cent of the total volume of logs sold at each depot. The logs of Trade Quality I accounted for around 30 per cent of the total volume at Ballarshah whereas the logs of Trade Quality III, constituted only a small proportion of the volume. The observations for Paratwada were, however, entirely different from the observations at Ballarshah. Around one fourth of the total volume of logs sold at Paratwada, was made up of the logs of Trade Quality III. But the volume of the logs of Trade Quality I sold at this depot during a period of five years, turned out to be 47 m³ only. When compared with the above two depots, the logs of Trade Quality I and III at Nasik, however, accounted for a notable proportion of the total volume sold during the five years.

Table 1 : Quantities of logs and poles of different Trade Qualities sold at the Ballarshah, Nasik and the Paratwada depots during 1964-68

(Quantity in m³; figures in the bracket indicate per cent to the total quantity)

	Depot		
	Ballarshah	Nasik	Paratwada
<u>Logs</u>			
Plywood Quality	209.937 (0.89)	-	-
Trade Quality I	6602.079 (28.11)	4669.401 (12.37)	47.265 (0.08)
Trade Quality II	16080.648 (68.47)	30365.708 (80.54)	47995.197 (75.87)
Trade Quality III	592.919 (2.53)	2671.793 (7.09)	15216.982 (24.05)
Total Quantity	23485.583 (100.00)	37702.902 (100.00)	63259.444 (100.00)
<u>Poles*</u>			
Class I	-	-	4061.225 (75.89)
Class II	-	-	1290.094 (24.11)
Total Quantity	-	-	5351.319 (100.00)

* Data were not compiled for the quantity of poles sold at Ballarshah and Nasik depots on account of the reportings for a small number of sales.

¹ Sale Result Sheets were not available for the Ballarshah depot for the year, 1966. The data for the Ballarshah depot, therefore, does not include the quantity sold in 1966.

The poles accounted for only 8 per cent of the total volume of logs and poles sold at the Paratwada depot. The Class I poles accounted for three fourths of the total volume of poles at this depot.

The proportions for the different Trade Qualities of wood marketed at the three depots thus, give some broad indications about the quality of the teak wood produced in the coupes which were worked by the Forest Department in the areas around these markets. These proportions indicate that it was mainly the logs of Trade Quality II that were being produced in these coupes largely. The produce from the coupes in the Ballarshah area was more quality-oriented than the produce from the coupes in the other areas. The produce from the coupes in the Paratwada area was on the contrary, of a lower Trade Quality when compared to the produce from the coupes in the Ballarshah and the Nasik areas.

3.3 Girthwise Classification of the Quantities

The quantities of logs noted in the earlier table, are classified further according to the girth classes in Tables 2 to 4. This classification enables us to know the proportions in which the logs of the different girth classes were marketed at these depots. The data for the poles will not be analysed here in a similar manner for the reasons that the poles formed only a small proportion of the total volume.

Besides the classification of the quantity of logs sold in each Trade Quality, the tables also give the girthwise classification of the total quantity sold at each depot. The classification of the total quantities reveals that the proportions of the quantities sold under the different girth classes at a depot went on increasing upto a certain girth class but they decreased thereafter gradually. This observation is quite in resemblance with what one always finds from a volume curve for a natural forest. The proportions in which the logs of different girth classes were marketed at these depots, therefore, appear to be much in correspondence with the proportions in which the logs of different girth classes could be harvested in such forests.

The peak for the quantity sold, however, occurred in different girth classes at different depots. For Ballarshah, the peak was in the girth class 90-104 cm. but for both Nasik and Paratwada, it was in a lower girth class viz. 60-74 cm. Lower girth logs were being sold in a greater proportion at Nasik and Paratwada than at Ballarshah. Only 45 per cent of the volume sold at the Ballarshah depot was from the logs having a girth below 105 cm. whereas 82 to 85 per cent of the volume at each of the other two depots was from the logs below the above girth. Not only the peak at Ballarshah was in an upper girth class but the quantities sold in the different girth classes were also distributed evenly in the upper girth classes. This gives an indication that a sizeable proportion of the trees felled in the area around Ballarshah was having a uniform girth in an upper girth class.

We now examine the proportions worked out for each of the Trade Qualities. Eighty three per cent of the volume of the Plywood Quality logs at Ballarshah, was from the logs having a girth of 150 cm. and over. The quantity sold under this Trade Quality during the five year period, was however, quite small. In the case of the other Trade Qualities the girth classes recording a peak sale for a Trade Quality, differed at different depots.

Table 2 : Quantities of logs of different Trade Qualities sold under the different girth classes at the Ballarshah depot during 1964-1968

(Quantity in m³; figures in the brackets indicate per cent to the total quantity)

Girth in cm.	Trade Quality				Total
	Plywood Quality	T.Q.I	T.Q.II	T.Q.III	
45 - 59	-	-	-	-	-
60 - 74	-	498.790 (7.55)	2827.739 (17.59)	197.860 (33.37)	3524.389 (15.01)
75 - 89	-	679.237 (10.29)	2401.026 (14.93)	107.847 (18.19)	3188.110 (13.57)
90 - 104	-	1109.349 (16.80)	2826.622 (17.58)	60.839 (10.26)	3996.810 (17.02)
105 - 119	-	1211.199 (18.35)	2402.291 (14.94)	45.250 (7.63)	3658.740 (15.58)
120 - 134	5.894 (2.81)	957.202 (14.50)	1753.068 (10.90)	58.655 (9.89)	2774.819 (11.82)
135 - 149	29.024 (13.82)	792.027 (12.00)	1317.164 (8.19)	28.003 (4.73)	2166.218 (9.22)
150 & over	175.017 (83.37)	1354.275 (20.51)	2552.738 (15.87)	94.465 (15.93)	4176.495 (17.78)
Total	209.935	6602.079	16080.648	592.919	23485.581

Table 3 : Quantities of logs of different Trade Qualities sold under the different girth classes at the Nasik depot during 1964-1968

(Quantity in m³; figures in the brackets indicate per cent to the total quantity)

Girth in cm.	Trade Quality			Total
	T.Q.I	T.Q.II	T.Q.III	
45 - 59	339.383 (7.27)	6512.937 (21.45)	100.821 (3.77)	6953.141 (18.44)
60 - 74	1008.479 (21.62)	8974.531 (29.56)	265.505 (9.94)	10248.515 (27.18)
75 - 89	1427.635 (30.60)	6735.349 (22.18)	558.688 (20.19)	8721.672 (23.13)
90 - 104	1061.935 (22.76)	4562.370 (15.02)	516.513 (19.33)	6140.818 (16.29)
105 - 119	545.786 (11.70)	2192.489 (7.22)	369.138 (13.82)	3107.413 (8.24)
120 - 134	282.183 (6.05)	1160.493 (3.82)	860.449 (32.20)	2303.125 (6.11)
135 - 149	-	79.004 (0.26)	0.679 (0.03)	79.683 (0.22)
150 & over	-	148.535 (0.49)	-	148.535 (0.39)
Total	4665.401 (100.00)	30365.708 (100.00)	2671.793 (100.00)	37702.902 (100.00)

Table 4 : Quantities of logs of different Trade Qualities sold under the different girth classes at the Paratwada depot during 1964-1968

(Quantity in m³; figures in the brackets indicate per cent to the total quantity)

Girth in cm	Trade Quality			Total
	T.Q. I	T.Q. II	T.Q. III	
45 - 59	14.283 (30.22)	10439.522 (21.75)	3002.110 (19.73)	13455.915 (21.27)
60 - 74	-	12569.640 (26.19)	3712.321 (24.40)	16281.961 (25.75)
75 - 89	2.584 (5.47)	10638.775 (22.17)	3010.301 (19.78)	13651.660 (21.58)
90 - 104	4.129 (8.73)	6605.769 (13.76)	2152.920 (14.15)	8762.818 (13.85)
105 - 119	19.973 (42.26)	3960.779 (8.25)	1316.045 (8.65)	5296.797 (8.37)
120 - 134	5.150 (10.90)	2470.823 (5.15)	968.453 (6.36)	3444.426 (5.44)
135 - 149	0.719 (1.52)	973.734 (2.03)	677.091 (4.45)	1651.544 (2.61)
150 & over	0.427 (0.90)	336.155 (0.70)	377.741 (2.48)	714.323 (1.13)
Total	47.265 (100.00)	47995.197 (100.00)	15216.982 (100.00)	63259.444 (100.00)

As the Trade quality of a log depended upon the condition of an individual tree irrespective of its girth, no relationship should really exist between the quality of a log and its girth. However, the data for the Ballarshah depot reveals that the proportion of the volume of the lower girth logs sold at this depot, increased with the decline in the Trade Quality whereas the proportion of the volume of the higher girth logs decreased with the decline in the same. The production of larger girth logs was, thus associated to some extent with the production of a higher Trade Quality in the coupes worked around Ballarshah. It was not so in the coupes worked around the other two depots.

3.4 Lengthwise Classification of the Quantities

The classification of the total as well as the Trade Qualitywise quantities according to the length classes in Tables 5 to 7 reveal that the proportion of the quantities sold under the different length classes also increased upto a certain length class but they decreased thereafter rapidly. The sales of logs at each depot were concentrated in some length classes only. The volume of the logs having a length of 3.0 to 5.95 m. accounted for seventy six per cent of the total volume of logs at Ballarshah. The proportion of the volume of logs having a similar length was 58 per cent at Nasik and 51 per cent at Paratwada. Logs below 3 m. accounted for 27 per cent of the volume at Nasik and 47 per cent of the volume at Paratwada. The percentage for the volume of

Table 5 : Quantities of different Trade Qualities sold under the different length classes at the Ballarshah depot during 1964-1968

(Quantity in m³; figures in the brackets indicate per cent to the total quantity)

Length in m.	Trade Quality			Total	
	Plywood Quality	T.Q. I	T.Q. II		T.Q. III
Under 2	-	95.217 (1.44)	153.913 (0.96)	23.548 (3.97)	272.678 (1.16)
2 to 2.95	-	468.647 (7.10)	2145.953 (13.35)	213.633 (36.03)	2828.233 (12.04)
3 to 3.95	45.445 (21.64)	1452.843 (22.01)	4540.861 (28.24)	193.441 (32.03)	6232.590 (26.54)
4 to 5.95	137.962 (65.72)	3763.955 (57.01)	7726.081 (48.04)	137.212 (23.14)	11765.210 (50.10)
6 to 7.95	26.530 (12.64)	703.402 (10.65)	1513.840 (9.41)	25.085 (4.23)	2268.857 (9.66)
8 to 9.95	-	92.950 (1.41)	-	-	92.950 (0.40)
10 & over	-	25.065 (0.38)	-	-	25.065 (0.10)
Total	209.937 (100.00)	6602.079 (100.00)	16080.648 (100.00)	592.919 (100.00)	23485.583 (100.00)

Table 6 : Quantities of logs of different Trade Qualities sold under the different length classes at the Nasik depot during 1964-1968

(Quantity in m³; figures in the brackets indicate per cent to the total quantity)

Length in m.	Trade Quality			Total
	T.Q. I	T.Q. II	T.Q. III	
Under 2	95.124 (2.04)	2361.072 (7.53)	397.303 (14.87)	2853.499 (7.57)
2 to 2.95	373.985 (8.02)	6229.478 (19.19)	738.283 (27.64)	7341.746 (19.47)
3 to 3.95	791.862 (16.97)	7131.276 (23.39)	614.873 (23.01)	8538.011 (22.65)
4 to 5.95	2020.533 (43.31)	10716.884 (35.63)	694.480 (25.99)	13431.897 (35.63)
6 to 7.95	1130.965 (24.24)	3926.998 (13.55)	204.210 (7.64)	5262.173 (13.95)
8 to 9.95	252.932 (5.42)	-	22.644 (0.85)	275.576 (0.73)
Total	4665.401 (100.00)	30365.708 (100.00)	2671.793 (100.00)	37702.902 (100.00)

Table 7 : Quantities of logs of different Trade Qualities sold under the different length classes at the Paratwada depot during 1964-1968

(Quantity in m³; figures in the brackets indicate per cent to the total quantity)

Length in m.	Trade Quality			Total
	T.Q. I	T.Q. II	T.Q. III	
Under 2	0.631 (1.33)	5323.072 (11.09)	1944.532 (12.78)	7268.235 (11.50)
2 to 2.95	12.543 (26.54)	16852.846 (35.12)	5611.066 (36.87)	22476.455 (35.53)
3 to 3.95	21.552 (45.60)	15757.059 (32.83)	5095.873 (33.49)	20874.484 (33.00)
4 to 5.95	12.539 (12.53)	9437.345 (19.66)	2108.620 (13.86)	11558.504 (18.27)
6 to 7.95	-	624.875 (1.30)	451.341 (2.97)	1076.216 (1.70)
8 to 9.95	-	-	5.550 (0.04)	5.550 (0.00)
Total :	47.265 (100.00)	47995.197 (100.00)	15216.982 (100.00)	63259.444 (100.00)

the logs below 3 m. was only 13 per cent at Ballarshah. The logs marketed at Ballarshah had not only a larger girth as noted before, but also a longer length, when compared to the logs at the other two depots.

The classification of the quantities sold in each Trade Quality shows that the proportions of the volumes of the logs in the lower length classes increased with the decline in the Trade Quality whereas the proportions of the volumes of the logs in the upper length classes decreased with the decline. A greater proportion of the volume in the higher Trade Qualities was, thus, from logs having a longer length whereas a greater proportion of the volume in the lower Trade Qualities was from the logs having a shorter length. No specific explanation can, however, be given for this relationship. It may be merely a result of the cutting of a lower quality stem into shorter pieces to obtain some logs from it and the cutting of a higher quality stem into longer lengths to extract the longest possible logs.

SECTION IV

VARIATIONS IN PRICE AND ITS SEASONALITY

4.1 Price Variations

The prices realised for a size class at the auctions showed at times considerable variations from one quarter to the other even in two consecutive quarters. We will make an attempt here to note the broad dimensions of this price variability. For this purpose, we will examine if the prices varied with the seasons of sale like in the case of the agricultural commodities. As the study was not planned with an objective to explore the factors responsible for the price variation, it would not be possible for us to probe into this problem.

We will assume the price realised for a size class during the I quarter of a year as the base and find out the percentage increase or decrease in the price for the same size class in the II and the IV quarters, over this base. This would enable us to know the extent to which the price for a size class in the II and the IV quarters increased or decreased in relation to the price in the I quarter of the same year. As the first consignment of the freshly felled wood generally arrive at the markets in December-January, we have assumed the price in the I quarter as the base.

We shall note these variations in prices in respect of the logs of only those size classes and Trade Qualities at a market, for which we have data for a fairly large number of quarters. Instead of examining these relationships for each year, we will, however, examine them by pooling the data for all the eleven years together. There could be many factors which would cause variations in the price in two consecutive quarters. The inflationary and the deflationary tendencies in the markets can also cause variations. However, we are examining the data for a number of sales and for a reasonably long period of eleven years which has experienced both these tendencies. An examination of the data for all the eleven years taken together can, therefore, help us to understand if there was a price advantage in auctioning the logs in any specific quarter.

4.2 Variations in the Price in Different Quarters

As noted earlier, the quarterly average prices for the different size classes given in the tables in Part II are in many instances the actual prices received at a single auction. It is only in a few cases when two auctions were held during a quarter, that the average prices for two consecutive auctions had to be averaged to determine the average price for a quarter. We shall, therefore, treat the quarterly average price for a size class given in these tables as the average price for a sale of that size class continuing throughout the quarter. The term sale in this analysis would, thus, mean the sale of a single size class, may be even twice, during a whole quarter. The seasonal variations in the price are examined here by analysing the sales defined in the above manner.

The sales in the II and the IV quarters of the eleven year period, as given in the tables in Part II, are classified according to the per cent increase or decrease in the price over the price for the sale in the corresponding I quarters, in Tables 8 to 10. Only those II and IV quarter sales for which the price was available for the corresponding

Table 8 : Classification of the sales in the II and the IV quarters according to the percentage increase or decrease in the price over the price in the I quarter, for the Ballarshah depot

(Figures in the brackets indicate per cent to the total)

	Quarter II		Total	Quarter IV		Total
	Trade Quality			Trade Quality		
	I	II		I	II	
<u>Percentage of decrease</u>						
Above 50.0	-	-	-	1 (1.06)	-	1 (0.49)
25.1 to 50.0	3 (3.03)	3 (2.78)	6 (2.90)	3 (3.19)	3 (2.68)	6 (2.91)
10.1 to 25.0	18 (18.18)	24 (22.22)	42 (20.29)	17 (18.09)	17 (15.18)	34 (16.50)
0.0 to 10.0	35 (35.36)	34 (31.48)	69 (33.33)	21 (22.34)	20 (17.86)	41 (19.90)
<u>Percentage of increase</u>						
0.1 to 10.0	23 (23.23)	26 (24.07)	49 (23.67)	20 (21.28)	36 (32.14)	56 (27.18)
10.1 to 25.0	12 (12.12)	10 (9.26)	22 (10.63)	18 (19.15)	27 (24.11)	45 (21.84)
25.1 to 50.0	6 (6.06)	8 (7.41)	14 (6.76)	12 (12.76)	8 (7.14)	20 (9.72)
Above 50.0	2 (2.02)	3 (2.78)	5 (2.42)	2 (2.13)	1 (0.89)	3 (1.46)
Total number of sales	99 (100.00)	108 (100.00)	207 (100.00)	94 (100.00)	112 (100.00)	206 (100.00)

Note : Data for the girth classes ^{numbered} 5 to 10 and the length _{numbered} classes 1 to 6 are used in the above table.

Table 9 : Classification of the sales in the II and the IV quarters according to the percentage increase or decrease in the price over the price in the I quarter, for the Nasik depot

(Figures in the brackets indicate per cent to the total)

	Quarter II		Total	Quarter IV		Total
	Trade Quality			Trade Quality		
	I	II		I	II	
<u>Percentage of decrease</u>						
Above 50.0	-	-	-	4 (6.45)	-	4 (2.13)
25.1 to 50.0	-	3 (2.59)	3 (1.58)	3 (4.84)	7 (5.56)	10 (5.32)
10.1 to 25.0	16 (21.63)	17 (14.65)	33 (17.37)	7 (11.29)	12 (9.52)	19 (10.10)
0.0 to 10.0	19 (25.67)	33 (28.45)	52 (27.37)	15 (24.19)	19 (15.08)	34 (18.09)
<u>Percentage of increase</u>						
0.1 to 10.0	29 (39.19)	41 (35.34)	70 (36.84)	21 (33.87)	44 (34.92)	65 (34.57)
10.1 to 25.0	8 (10.81)	22 (18.97)	30 (15.79)	11 (17.74)	23 (18.26)	34 (18.09)
25.1 to 50.0	2 (2.70)	-	2 (1.05)	1 (1.62)	12 (9.52)	13 (6.91)
Above 50.0	-	-	-	-	9 (7.14)	9 (4.79)
Total number of sales	74 (100.00)	116 (100.00)	190 (100.00)	62 (100.00)	126 (100.00)	188 (100.00)

numbered

Note : Data for the girth classes /4 to 8 and the length /numbered classes /1 to 6 are used in the above table)

Table 10 : Classification of the sales in the II and IV quarters according to the percentage increase or decrease in the price over the price in the I quarter, for the Paratwada depot

(Figures in the brackets indicate per cent to the total)

	Quarter II			Quarter IV		
	Trade Quality			Trade Quality		
	II	III		II	III	
<u>Percentage of decrease</u>						
Above 50.0	1 (0.37)	2 (0.85)	3 (0.60)	2 (0.83)		2 (0.46)
25.1 to 50.0	19 (7.12)	17 (7.20)	36 (7.16)	5 (2.07)	9 (4.57)	14 (3.19)
10.1 to 25.0	41 (15.36)	41 (17.37)	82 (16.30)	38 (15.70)	30 (15.23)	68 (15.49)
0.0 to 10.0	50 (18.73)	52 (22.03)	102 (20.28)	45 (18.60)	20 (10.15)	65 (14.81)
<u>Percentage of increase</u>						
0.1 to 10.0	70 (26.22)	46 (19.49)	116 (23.06)	69 (28.51)	35 (17.77)	104 (23.69)
10.1 to 25.0	66 (24.72)	43 (18.22)	109 (21.67)	41 (16.94)	52 (26.40)	93 (21.18)
25.1 to 50.0	12 (4.49)	20 (8.48)	32 (6.36)	29 (11.98)	39 (19.79)	68 (15.49)
Above 50.0	8 (2.99)	15 (6.36)	23 (4.57)	13 (5.37)	12 (6.09)	25 (5.69)
Total number of sales	267 (100.00)	236 (100.00)	503 (100.00)	242 (100.00)	197 (100.00)	439 (100.00)

numbered
Note : Data for the girth classes 4 to 10 and the length classes numbered 1 to 5 are used in the above table.

I quarter sale of the same year, are taken into account in these tables. In many instances, the price for a size class was available either for only one quarter of the year or for only the II and the IV quarters. Prices for the sales in such cases could not be taken into account in this analysis. The present analysis, therefore, reflects the seasonal variations in price in only those sales during a year, for which the price was available for either the I and the II quarters or the I and the IV quarters or all of the three quarters. Yet the number of sales for which the data are available, is quite large at each depot viz. 413 at Ballarshah, 378 at Nasik and 942 at Paratwada.

Each sale under a percentage class in these tables, indicates its price relationship with another sale in the same year. The tables thus, bring out the price relationships of sales within a year, over the eleven years.

The classification of the sales according to the percentage increase or decrease indicates that the price showed at times large variations from one quarter to the other in a single year. In some cases, the prices in the II and the IV quarters had fallen below 50 per cent of the price in the I quarter whereas in the others, these prices had recorded an increase of more than 50 per cent over the price in the I quarter. Sales in the II and the IV quarters had thus, recorded a considerable increase as well as a decrease in the price.

We shall analyse these proportions in greater details by using some criteria to examine the price variation further. For this purpose we will regroup the data given in these tables into broader percentage classes such as the proportions of sales recording only an increase, and the proportions of sales falling within the ranges ± 10 per cent and ± 25 per cent of the I quarter price. The required proportions are noted in Table 11.

It would be observed from the table that only 43 to 55 per cents of the sales in the II quarter at these depots had realized a price higher than the price for the corresponding sales in the I quarter. In the case of the remaining sales, the price had declined. Proportions of a similar type for the sales in the IV quarter, however, ranged from 60 to 66 per cent for the three depots. The proportion for the IV quarter sales recording an increase in the price at a depot was always somewhat greater than the proportion for the II quarter sales recording the same at the respective depots. A higher price was, thus, realized for a moderately larger proportion of the sales in the IV quarter when compared to the sales in the II quarter.

An analysis of the sales falling in the range ± 10 per cent of the price would give us some idea about the proportions of sales showing only a small and a reasonable variation between the prices in two quarters. It would be observed from the table that only 43 to 64 per cent of the sales in the II quarter and 38 to 52 per cent of the sales in the IV quarter at these depots were grouped together in this range of price variation and 81 to 97 per cent of the sales in the II quarter and 75 to 80 per cent of the sales in the IV quarter fell in the range ± 25 per cent of the price realized in the I quarter. The prices for the remaining sales varied beyond these ranges of variation.

Table 11 : Proportions of the sales in the II and the IV quarters in the different ranges of percentage of the price in the I quarter

	Quarter II			Quarter IV		
	Ballarshah	Nasik	Depots Paratwada	Ballarshah	Nasik	Paratwada
Proportions of sales showing an increase in the price over the price in the I quarter	43.48	53.68	55.66	60.20	64.36	66.05
Proportions of sales in the range + 10.0 per cent of the price in the I quarter	57.00	64.21	43.34	47.08	52.66	38.50
Proportions of sales in the range + 25.0 per cent of the price in the I quarter	87.92	97.37	81.31	85.42	80.35	75.17

It would be observed further from this table that the proportion in each quarter in each range was generally the largest at Nasik, the least at Paratwada and in between the two, at Ballarshah. This meant that the proportions of sales falling beyond these ranges was greater at Paratwada, lesser at Ballarshah and still lesser at Nasik. The price thus, showed a greater variation at Paratwada but a relatively less variation at Nasik. A similar examination of the proportions for the two quarters in each range would indicate that the proportions at each depot were always larger for the II quarter sales than for the IV quarter ones. This indicated that the proportion of sales falling beyond each range was always greater for the sales in the IV quarter than for the sales in the II quarter. Prices in the IV quarter were, thus, subject to a greater degree of variation than the prices in the II quarter.

SECTION V

PRICE-SIZE RELATIONSHIP

5.1 Approach to the Problem

Even a cursory glance at the tables in Part II would reveal that the prices of wood increased with every increase in its girth as well as length. We examine in this Section the extent to which the price increased, with increase in each girth class and the length class of logs. We examine the increase separately for each Trade Quality at a market. This enables us to identify those girth and length classes of a Trade Quality at a market which fetched the largest premium ¹ in price. It also enables us to know if these premia varied in different markets. However, on account of the limited availability of the data especially for the lower and the upper size classes, we restrict the analysis to different groups of contiguous size classes in the different Trade Qualities and markets.

We have adopted two different approaches to examine the price-size relationship. In the first approach, we examine the percentage increase in the price resulting from an increase in the girth. In the second approach, we examine the rate of increase in the price per centimetre increase in the girth and per metre increase in the length.

In the first approach we assume the price for the lowest girth class under each length class as the base and find out the percentages of the prices of the other girth classes under the same length class, to this base. We have averaged these percentages for each girth class over the eleven year period. The percentage increases calculated in the above manner, give us a fair idea about the extent to which the prices for the different girth classes under a length class, increased in relation to the price for the lowest or the basal girth class, during the eleven year period.

Further we deduct the percentage increase for each girth class from the percentage increase for the successive upper girth class to know the premium received for the upper girth class, in terms of the percentage of the price of the lowest girth class. This enables us to identify the girth classes ². The approach thus, enables us to know the percentage increase in the price with every increase in the girth class and the premia obtained for each girth class. We can compare these percentage increases and premia in different Trade Qualities and markets.

³receiving the largest premium, in different length classes.

A similar approach could be used to know the extent of increase in the price accompanying an increase in the length, and the premium obtained for each length class. It is, however, not attempted here for the reason that the production of length carries much less importance than the production of girth, in the management of a stand. ²& ³ Besides, due

1 Extra price per m³ in high esteem for the larger length or girth as the case may be.

2 The word stand is used in the sense of a forest crop. It is a homogeneous forest condition, requiring individual consideration.

3 The price-length relationship plays an important role only in determining the length of a log while logging a tree. However, in logging a tree other considerations such as the quality of wood, taper, knottiness etc. carry more importance than the length.

importance has been given to length as a determinant of price in the analysis of the data by the second approach.

In the second approach, we use a regression model to find out the relationship between the price and the girth and the price and the length, using price as a dependent variable depending upon two independent variables viz. girth and length. This would give us the rate of increase in the price per centimetre increase in the girth for a constant length and the rate of increase in the price per metre increase in the length for a constant girth. The analysis of the data by these two approaches would enable us to identify the broad features of the price-size relationship at the three markets.

The data in Part II, however, do not give us the prices for each girth and length class in each quarter. In some instances, prices are available for only some girth and length classes in one quarter but entirely different girth and length classes in the other quarters. Even the price for the lowest girth class on which we have to base the analysis, is not available for all quarters. We, therefore, thought that if these quarterly average prices were to be averaged further to get annual average price, it would be possible to get the price for many girth and length classes on account of the pooling of data for two or three quarters in a year. Otherwise, data for some quarters would have to be kept totally outside the purview of this analysis.

There was another advantage in pooling the data for two or three quarters in a year together. The quarterly average prices for the size classes had shown a variation over a wide range during a year. Averaging the data for the quarters further was a step ahead to minimise this variation.

Annual average prices for a size class were, therefore, worked out by averaging the quarterly average prices for two or three quarters in a year. There was no problem of averaging the prices in those years in which the data for a size class was available for only one quarter during the year. In the other years, averaging was done by working out simple averages of the prices in two or three quarters for the years in 1958-1963 and by working out weighted averages for the prices in the years in 1964-1968, by weighting the prices with the quantities sold. The analysis in this section is based upon the annual average prices worked out for each size class in the above manner. The tables for the annual average prices are, however, not given here for the reason that they run into equally the same number of tables as in the case of the quarterly average prices.

5.2 Extent of Increase in the Price with an Increase in the Girth

We now examine the extent of the increase in the price accompanying an increase in the girth class for the logs of each Trade Quality at the different markets, by working out the averages of the percentage increases in the price in the manner described above. We have adequate data only for the logs of Trade Quality I at Ballarshah and Nasik, those of Trade Quality II at Ballarshah, Nasik and Paratwada and those of Trade Quality III at Paratwada. We do not analyse the data for logs of the Plywood Quality and the poles, as these categories of wood are graded into only two or three girth classes. Instead of using the term "the average of the percentages of increase in the price over the price for the

lowest girth class" again and again; we use only the term "percentage increase in the price" for convenience.

The percentage increase in the price for the teak logs of Trade Quality I are given for the Ballarshah and the Nasik depots in Table 12. The percentage increases are worked out with respect to the girth class 60-74 cm., which was the lowest girth class for the logs sold at Ballarshah. As the figures in these tables indicate, there was a sizable increase in the price with every increase in the girth class. The largest girth class for which percentage increases have been worked out in the table is the girth class 105-119 cm. It would be observed from the table that the logs in the largest girth class at Ballarshah realised a price which was 50 to 69 per cent greater than the price for the lowest girth class. At Nasik, the logs in the same girth class, however, realised a price which was only 15 to 22 per cent greater than the price for the logs in the lowest girth class. Prices at Ballarshah thus increased more rapidly with the increase in the girth than the prices at Nasik.

Similar percentage increases in the price for the logs of Trade Quality II are given for the Ballarshah depot in Table 13, and for the Nasik and the Paratwada depots, in Table 14. The lowest girth class in the table for Ballarshah is the girth class 60-74 cm. and that for the other two depots is 45-59 cm. We shall not, therefore, compare the percentage increases in these two tables.

The largest girth class in the table for Ballarshah, is the girth class 135-149 cm. The figures for the percentage increase show that the logs in this girth class received a

Table 12 : Average Percentage increase in the Price for the logs of Trade Quality I at the Ballarshah and the Nasik depots during 1958-1968.

(Figures as average percentage increase in the price over the price for the girth class 60-74 m.)

Depot	Length Class in m.	Girth class in cm.		
		75 - 89	90-104	105-119
Ballarshah	2.0 - 2.9	21.6	44.3	69.2
	3.0 - 3.9	22.7	40.4	61.1
	4.0 - 5.9	20.9	36.3	51.4
	6.0 - 7.9	23.5	37.6	50.2
Nasik	2.0 - 2.9	10.4	16.9	22.1
	3.0 - 3.9	9.4	10.8	15.1
	4.0 - 5.9	12.2	17.1	18.4
	6.0 - 7.9	8.1	15.3	17.4

Table 13 : Average Percentage Increase in the Price for the logs of Trade Quality II at the Ballarshah Depot during 1958-1968

(Figures as percentage increase in the price over the price for the girth class 60-74 cm.)

Length Class in m.	Girth Class in cm.				
	75 - 89	90 - 104	105-119	120-134	135-149
Under 2.0	25.5	43.4	54.8	66.8	80.0
2.0 - 2.9	26.3	55.4	64.1	74.7	99.8
3.0 - 3.9	21.2	42.6	63.2	73.6	85.4
4.0 - 5.9	19.3	37.9	45.9	61.5	69.6
6.0 - 7.9	17.8	29.6	42.3	53.8	81.2

Table 14 : Average Percentage Increase in the Price for the logs of Trade Quality II at the Nasik and the Paratwada Depots during 1958-1968

(Figures as percentage increase in the price over the price for the girth class 45-59 cm.)

Depot	Length Class in m.	Girth Class in cm.					
		60-74	75-89	90-104	105-119	120-134	135-149
Nasik	Under 2.0	25.2	42.3	62.6	70.2	-	-
	2.0 - 2.9	24.1	38.5	51.2	58.1	-	-
	3.0 - 3.9	24.4	45.0	50.5	57.3	-	-
	4.0 - 5.9	23.2	39.3	42.4	47.5	-	-
	6.0 - 7.9	18.5	33.2	43.4	47.7	-	-
Paratwada	Under 2.0	28.0	48.8	69.6	93.6	103.4	106.1
	2.0 - 2.9	33.2	53.2	72.7	90.3	93.1	90.8
	3.0 - 3.9	27.0	47.7	59.2	73.8	85.2	85.1
	4.0 - 5.9	30.7	41.6	54.5	62.9	68.1	76.9
	6.0 - 7.9	28.8	38.5	49.9	54.8	-	-

price which was 70 to 100 per cent greater than the prices for the larger girth classes at the other two depots also showed a considerable increase in the price with an increase in the girth. (the price for the lowest girth class. In the same manner,

One important observation can be made by examining the data for the different length classes in Trade Quality II at all the three depots. It would be observed that the prices increased more rapidly with the increase in girth in the lower length classes when compared to the prices in the upper length classes.

The tables for Nasik and Paratwada indicate further that the prices at Paratwada increased more rapidly with the increase in the girth, than the prices at Nasik. It appears that girth was being given a greater importance in the pricing of logs at Ballarshah and Paratwada but a lesser importance at Nasik.

The percentage increases in the price for the logs of Trade Quality III at the Paratwada depot are noted in Table 15. An examination of the percentage increase in the length class 4.0-5.9 m. and those in the lower length classes again confirms the earlier observation that the prices in the lower length classes increased more rapidly with the increase in the girth than the prices in the upper length classes. It appears that the traders at all the three depots had a greater preference for the girth in the smaller length classes but a relatively lesser preference in the upper length ones. Generally the length of 4 metres made the dividing line. These observations were, however, true only for the logs of Trade Qualities II and III, whereas no such observation could be distinctly made for the logs of Trade Quality I.

5.3. Premium for the Increase in the Girth

We have noted that the price increased substantially with every increase in the girth. We now examine the extent to which the price in a length class increased from one girth class to the other, in the same length class. The extent of the increase or the premia for the increase can be obtained readily by deducting the percentage increase for a lower girth class in a length class, from the percentage increase for the successive upper girth class in the same length class. This gives us the premium obtained for each girth class in a length class in terms of the percentage of the price for the lowest girth class.

The premia worked out in the above manner are noted separately for each Trade Quality of logs at a market in Tables 16 to 19. These tables are presented in the same sequence of the Trade Qualities and the markets as was done for the earlier analysis.

Data in each table give more or less similar results. We shall, therefore, examine the data in all tables for the logs together to draw some broad inferences therefrom. These data show that the premium was generally the largest in the very first girth class noted in each table. Thereafter, it declined with an increase in the girth in a majority of the cases. The premia, generally declined more rapidly in the upper length classes than in the lower ones. In some instances, the premia in the largest girth class, turned out to be even negative as at the Paratwada depot.

Table 15 : Average Percentage Increase in the Price for the logs of Trade Quality III at the Paratwada Depot during 1958-1968.

(Figures as percentage increase in the price over the price for the girth class 45-59 cm.)

Length Class in m.	Girth Class in cm.					
	60-74	75-89	90-104	105-119	120-134	135-149
Under 2.0	19.5	36.1	66.2	85.9	98.3	93.1
2.0 - 2.9	33.2	55.6	78.4	107.3	112.2	117.0
3.0 - 3.9	31.4	62.5	83.2	93.5	120.2	123.1
4.0 - 5.9	23.4	50.4	70.7	76.2	92.4	94.1

Table 16 : Average premium for a girth class for logs of Trade Quality I at the Ballarshah and the Nasik depots during 1958-1968

(Figures as average premium in terms of the percentage of the price for the girth class 60-74 cm.)

Depot	Length Class in m.	Girth class in cm.		
		75.0-89.9	90.0-104.9	105.0-119.9
Ballarshah	2.0 - 2.9	21.6	22.7	24.9
	3.0 - 3.9	22.7	17.7	20.7
	4.0 - 5.9	20.9	15.4	15.1
	6.0 - 7.9	23.5	14.1	12.6
Nasik	2.0 - 2.9	10.4	6.5	5.2
	3.0 - 3.9	9.4	1.4	4.3
	4.0 - 5.9	12.2	4.9	1.3
	6.0 - 7.9	8.1	7.2	2.1

Table 17 : Average premium for a girth class for logs of Trade Quality II at the Ballarshah depot during 1958-1968

(Figures as average premium in terms of the percentage of the price for the girth class 60-74 cm.)

Length Class in m	Girth Class in cm.				
	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9
Under 2.0	25.5	17.9	11.4	12.0	13.2
2.0 - 2.9	26.3	29.1	8.7	10.6	25.1
3.0 - 3.9	21.2	21.4	20.6	10.4	11.8
4.0 - 5.9	19.3	18.6	8.0	15.6	8.1
6.0 - 7.9	17.8	11.8	12.7	11.5	27.4

Table 18 : Average premium for a girth class for logs of Trade Quality II at the Nasik and the Paratwada depots during 1958-1968

(Figures as average premium in terms of the percentage of the price for the girth class 45-59 cm.)

	Length class in m.	Girth Class in cm.					
		60.0- 74.9	75.0- 89.9	90.0- 104.9	105.0- 119.9	120.0- 134.9	135.0- 149.9
Nasik	Under 2.0	25.2	17.1	20.3	7.6	-	-
	2.0 - 2.9	24.1	14.4	12.7	6.9	-	-
	3.0 - 3.9	24.4	20.6	5.5	6.8	-	-
	4.0 - 5.9	23.2	16.1	3.1	5.1	-	-
	6.0 - 7.9	18.5	14.7	10.2	4.3	-	-
Paratwada	Under 2.0	28.0	20.8	20.8	24.0	9.8	2.7
	2.0 - 2.9	33.2	20.0	19.5	17.6	2.8	-2.3
	3.0 - 3.9	27.0	20.7	11.5	14.6	11.4	-0.1
	4.0 - 5.9	30.7	10.9	12.9	8.4	5.2	8.8
	6.0 - 7.9	28.8	9.7	11.4	4.9	-	-

Table 19 : Average premium for a girth class for logs of Trade Quality III at the Paratwada depot during 1958-1968

(Figures as average premium in terms of the percentage of the price for the girth class 45-59 cm.)

Length Class in m.	Girth Class in cm.					
	60.0- 74.9	75.0- 89.9	90.0- 104.9	105.0- 119.9	120.0- 134.9	135.0- 149.9
Under 2.0	19.5	16.6	30.1	19.7	12.4	-5.2
2.0 - 2.9	33.2	22.4	22.8	28.9	4.9	4.8
3.0 - 3.9	31.4	31.1	20.7	10.3	26.7	2.9
4.0 - 5.9	23.4	27.0	20.3	5.5	16.2	1.7

5.4 The Rate of Increase in the Price with an Increase in the Girth and the Length

An attempt is now made to use a regression model to examine the rates of increase in the price with an increase in the girth and length. The following regression model is used for the purpose.

$$Y = a_i + b_{1i}X_1 + b_{2i}X_2$$

$$i = 1 \dots 11 \text{ years}$$

$$X_1 = \text{Girth class in cm.,}$$

$$X_2 = \text{Length class in m.,}$$

$$Y = \text{Annual average price for given } X_1 \text{ and } X_2,$$

$$N = \text{Number of observations.}$$

Years for which $N < 7$ were not included in the regression table. The regressions were worked out for each year in the eleven year period. The number of observations, the values of b_1 and b_2 coefficients and the R^2 values for logs of the three Trade Qualities are given in Tables 20 to 22.

The tables show that R^2 values are high and are highly significant at 1 per cent level tested by the usual 'F' test. Regression coefficients b_1 and b_2 are also significant in most of the cases when tested by the 't' test. This indicates that the price did increase with the girth for a constant length and with the length for a constant girth. Both the girth and the length thus played a significant role in the determination of the price for the logs.

However, the values of these coefficients in different years varied at times over a wide range in a given set. Two factors may be responsible for their variation. Firstly the wide variation in prices during a year may be a cause for this variation. It is likely that the logs received a low premium for the girth and the length in certain years but a high premium in the others on account of the imperfections in the market. Secondly, it is likely that the proportions of the sales of the small size and the large size logs may have varied in different years. As the premia for the girth and the length varied in different size classes, it is likely that disproportionate sales of the small and the large size logs in different years, might have influenced the values of these coefficients in a given set. The R^2 values are, however, high and it shows that the girth and the length were the two major factors to determine the price for the logs.

We now compare the values of each of these coefficients over the different Trade Qualities and the markets. The values of the b_1 coefficients for the three Trade Qualities of logs are, therefore, presented together in Table 23. The figures for Trade Quality I and II show that the values of b_1 in any

Table 20: The number of observations, the values of b_1 and b_2 coefficients and the R^2 values from the regression analysis for teak logs of Trade Quality I at Ballarshah and Nasik

Year	Ballarshah				Nasik			
	N	b_1	b_2	$R^2 \times 100$	N	b_1	b_2	$R^2 \times 100$
1958	-	-	-	-	20	2.0720**	16.8278**	85.47**
1959	20	1.8827**	15.2862**	96.32**	20	1.7100**	14.9541**	88.79**
1960	-	-	-	-	20	2.3487**	20.6186**	92.74**
1961	16	4.5317**	14.1952**	84.68**	-	-	-	-
1962	9	4.1802**	30.7921*	77.93*	17	1.1085	27.0314**	47.00*
1963	16	3.9944**	15.1889**	87.09**	-	-	-	-
1964	20	3.3260**	11.4103**	90.50**	-	-	-	-
1965	20	3.6526**	7.6461	65.61**	18	0.7323	25.0626**	82.12**
1966	-	-	-	-	20	1.2105	19.6628**	58.20**
1967	18	4.6361**	40.4979**	83.14**	20	1.9080**	33.1212**	89.04**
1968	18	4.9131**	18.3880**	85.10**	18	2.9055**	20.1074**	92.68**

* Significant at 5 per cent level

** Significant at 1 per cent level

N - Number of observations

b_1 - Regression coefficient for girth class

b_2 - Regression coefficient for length class.

Table 21 : The number of observations, the values of b_1 and b_2 coefficients and the R^2 values from the regression analysis for teak logs of Trade Quality II at Ballarshah, Nasik and Paratwada

Year	Ballarshah				Nasik				Paratwada			
	N	b_1	b_2	$R^2 \times 100$	N	b_1	b_2	$R^2 \times 100$	N	b_1	b_2	$R^2 \times 100$
1958	11	3.5369**	19.9008*	93.28**	23	2.1956**	25.0278**	87.24**	37	2.0835**	29.7935**	89.38**
1959	30	3.1100**	18.4498**	86.14**	20	1.9842**	21.9564**	88.62**	37	1.5157**	17.5468**	70.06**
1960	-	-	-	-	22	2.5381**	35.2674**	90.06**	37	1.7938**	26.7321**	80.16**
1961	22	3.6358**	25.0651**	94.42**	-	-	-	-	37	1.7336**	17.9600**	61.87**
1962	20	3.1269**	27.5495**	66.62**	25	2.3030**	32.4448**	90.02**	-	-	-	-
1963	30	2.5730**	16.3350**	95.35**	24	2.1960**	31.3322**	87.90**	37	2.6564**	31.0750**	85.06**
1964	30	2.4172**	16.4308**	86.30**	25	2.3112**	32.3022**	90.65**	37	2.2098**	18.5962**	70.90**
1965	28	3.6525**	24.8611**	84.90**	25	1.7445**	47.2024**	89.95**	37	2.0133**	29.5552**	69.19**
1966	-	-	-	-	25	1.8472**	44.3596**	87.76**	37	1.6996**	32.7547**	71.49**
1967	30	2.7890**	35.6272**	94.21**	25	1.9735**	45.1954**	90.99**	37	1.7474**	18.8497**	51.74**
1968	28	3.2182**	46.0663**	83.10**	20	2.8364**	30.6083**	95.28**	37	2.3954**	24.9835**	73.05**

* Significant at 5 per cent level.

** Significant at 1 per cent level.

b_1 - Regression coefficient for girth class.

b_2 - Regression coefficient for length class.

N - Number of observations.

Table 22 : The number of observations, the values of b_1 and b_2 coefficients and the R^2 values from the regression analysis for teak logs of Trade Quality III at Paratwada

Year	Paratwada			
	N	b_1	b_2	$R^2 \times 100$
1958	32	1.2824**	28.4824**	88.70**
1959	32	1.4226**	26.4761**	87.42**
1960	32	1.8170**	29.4318**	87.97**
1961	32	1.8652**	34.9498**	87.53**
1962	-	-	-	-
1963	32	1.9701**	35.4370**	89.78**
1964	29	2.0453**	19.0816**	83.85**
1965	31	1.9439**	34.0728**	76.58**
1966	32	2.3734**	32.9587**	79.91**
1967	32	1.6128**	24.6366**	83.32**
1968	32	1.5817**	26.3649**	60.51**

* Significant at 5 per cent level

** Significant at 1 per cent level

N - Number of observations

b_1 - Regression coefficient for girth class

b_2 - Regression coefficient for length class.

of these Trade Qualities, were always higher at Ballarshah than at Nasik. So also the figures for Trade Quality II show that the values were higher at Ballarshah than at Paratwada. A similar comparison of the values for Trade Quality II at Nasik and Paratwada shows that the values at Nasik were generally higher than the values at Paratwada,

These values should be generally higher for a higher Trade Quality at a market. Though this is mostly true for the depots at Ballarshah and Paratwada, it is not so for the Nasik depot. At Nasik, the values for Trade Quality I were generally lower than the values for Trade Quality II. It should be, however, noted that the values of b_1 for the logs of Trade Quality I at Nasik were not significant in three of the eight years for which the required number of observations were available.

We now compare the values of the b_2 coefficient for the different Trade Qualities and the markets in a similar manner. The values of b_2 coefficient for the three Trade Qualities of logs are, therefore, presented together in Table 24. It is not possible to compare the values at Ballarshah and Nasik in the case of Trade Quality I, as the values which are comparable,

Table 23 : Values of regression coefficient b_1 of girth over price for teak logs

Year	Trade Quality I		Trade Quality II			Trade Quality III
	Ballarshah	Nasik	Ballarshah	Nasik	Paratwada	Paratwada
1958	-	2.07**	3.54**	2.20**	2.08**	1.28**
1959	1.88**	1.71**	3.11**	1.98**	1.52**	1.42**
1960	-	2.34**	-	2.54**	1.79**	1.82**
1961	4.53**	-	3.64**	-	1.73**	1.87**
1962	4.18**	1.11	3.13**	2.30**	-	-
1963	3.99**	-	2.57**	2.20**	2.66**	1.97**
1964	3.33**	-	2.42**	2.31**	2.21**	2.05**
1965	3.65**	0.73	3.65**	1.75**	2.01**	1.94**
1966	-	1.21	-	1.85**	1.70**	2.37**
1967	4.64**	1.91**	2.79**	1.97**	1.75**	1.61**
1968	4.91**	2.91**	3.22**	2.84**	2.40**	1.58**

* Significant at 5 per cent level.

** Significant at 1 per cent level.

Table 24 : Values of regression coefficient b_2 of length over price for teak logs

Year	Trade Quality I		Trade Quality II			Trade Quality III
	Ballarshah	Nasik	Ballarshah	Nasik	Paratwada	Paratwada
1958	-	16.83**	19.90*	25.03**	29.79**	28.48**
1959	15.29**	14.95**	18.45**	21.96**	17.55**	26.48**
1960	-	20.62**	-	35.27**	26.73**	29.43**
1961	14.20**	-	25.07**	-	17.96**	34.95**
1962	30.79*	27.03**	27.55**	32.45**	-	-
1963	15.19**	-	16.34**	31.33**	31.07**	35.44**
1964	11.41**	-	16.43**	32.30**	18.60**	19.08**
1965	7.65	25.06**	24.86**	47.20**	29.56**	34.07**
1966	-	19.66**	-	44.36**	32.75**	32.96**
1967	40.50**	33.12**	35.63**	45.20**	18.85**	24.64**
1968	18.38**	20.11**	46.07**	30.61**	24.98**	26.37**

* Significant at 5 per cent level.

** Significant at 1 per cent level.

are available for only four years. A comparison of the values in the case of Trade Quality II, however, shows that the values of b_2 were generally higher at Nasik than at the other two depots. The buyers of this Trade Quality at Nasik appear to have a greater preference for the length when compared to the buyers at the other markets. No firm inference can, however, be drawn for the general length consciousness at Nasik for want of adequate data for the other Trade Qualities.

A comparison of the values for different Trade Qualities at a market shows that these values are generally higher for a lower Trade Quality than for an upper one. This observation holds good for each depot. It, moreover, suggests that length carries a greater importance in the marketing of logs of a lower Trade Quality than in the marketing of logs of an upper one. It should be, however, remembered that we have considered each Trade Quality separately. The premium on account of a Trade Quality is likely to be far greater than the premium for the increase in the length. Hence, it would be always advantageous to give greater importance to the Trade Quality than to the length in logging a tree.

SECTION VI

S U M M A R Y

A number of observations were made so far from the analysis of the price data available for the Ballarshah, Nasik and the Paratwada depots. An attempt is made in this section, to bring these observations together.

The data for 1958-1962 were obtained from the printed reports of the Forest Utilization Officer in the Forest Department of the State whereas the data for 1963-1968 was obtained from the Sale Result Sheets maintained in the same office. Though all efforts were made by the staff of the Forest Department which was on deputation to the Gokhale Institute during 1967-1970, to collect the data for all auctions, it is likely that it may not have been possible for them to trace the records for a few auctions in 1963-68. The tables in Part II yet, give the data for a sizable proportion of the auctions held at these depots.

It was mainly the logs of Trade Quality II, that were available for sale at all the three depots. The proportion of the logs of Trade Quality I was however, somewhat large at Ballarshah whereas the proportion of the logs of Trade Quality III was large at Paratwada. The produce from the coupes worked around Ballarshah was of a superior Trade Quality when compared to the produce from the coupes worked around Nasik and Paratwada. The produce at Paratwada was of a relatively lower Trade Quality when compared to the produce at the other two depots. Poles which were sold mainly at Paratwada, constituted only 8 per cent of the volume of logs and poles sold at this depot.

A girthwise classification of the quantities sold at each depot, confirmed what one always observes from a volume curve for a natural forest. The proportions of quantities sold under the different girth classes at a depot increased upto a certain girth class and they decreased thereafter gradually. At Ballarshah, the peak was in the girth class 90-104 cm. whereas for the other two depots, it was in a lower girth class viz., 75-89 cm. Larger girth logs were sold in a greater proportion at Ballarshah than at Nasik and Paratwada. The quantities sold in the different girth classes at Ballarshah were also distributed uniformly in the larger girth classes. This gave an indication that a sizable proportion of the trees felled in the coupes around Ballarshah had a uniformly larger girth. The production of larger girth logs at this depot was also associated to some extent with the production of a higher Trade Quality.

The proportion of quantities sold under the different length classes at a depot also increased upto a certain length class but they decreased thereafter rapidly. The sales of logs at each depot were always concentrated in certain length classes only. The logs sold at Ballarshah had a larger length when compared to the logs sold at the other two depots. A greater proportion of the volume from the higher Trade Qualities was from the logs having a larger length whereas a greater proportion of the volume from the lower Trade Qualities was from the logs having a shorter length. This may be merely the result of the cutting of a lower quality stem into shorter length pieces to get some logs out of it but the cutting of a higher quality stem into longer length pieces to extract the largest possible length.

The prices at each depot showed a great variation from one quarter to the other. Only 43 to 64 per cent of the sales in the II quarter and 38 to 52 per cent of the sales in the IV quarter at the different depots during the eleven year period, fell within the range of ± 10 per cent of the price realised in the I quarter. The prices for the remaining sales varied beyond this range of price variation.

Sales in the II and IV quarters recorded a considerable increase as well as a decrease in the price in relation to the price in the I quarter. This did not mean that the price of logs was not influenced by the sale of logs in a specific quarter. A more detailed examination of the data showed that only a moderately larger proportion of the sales in the IV quarter had realised a higher price when compared to the proportion of sales receiving a higher price in the II quarter. Prices in the IV quarter were, however, subject to a greater degree of variation than the prices in the II quarter. The prices during a year showed a greater variation at Paratwada but the least at Nasik.

There was a sizable increase in the price of logs with every increase in their girth class. The logs in the larger girth classes realised a price which was even 100 per cent greater than the price of the logs in the lowest girth class. The price for a girth class in a lower length class, however, increased more rapidly with the increase in the girth, than the price for a girth class in an upper length class. This was so in the case of the logs of Trade Quality II and III whereas no such observation could be distinctly made from the data for Trade Quality I. The traders, thus, showed a great preference for the girth when the logs had a short length but a relatively less preference for the girth when the logs were long. The costs and the difficulties involved in the transportation of logs having a long length and a large girth, may be the cause for a lower preference for the girth in the upper length classes. Girth was being given a greater importance in the pricing of logs of Trade Quality I at Ballarshah but a lesser importance at Nasik. So also more importance was being given to girth in the pricing of logs of Trade Quality II at Paratwada but a lesser importance at Nasik.

It was further observed from the data that the premium for the increase in the girth of logs was usually the largest in the lowest girth class in a length class, at each market. The premium, however, declined more rapidly with the girth in the upper length classes than in the lower length ones. In some instances, the premium in the large girth classes turned out to be even negative, especially in the lower length classes.

The regression model fitted to the data for the annual average price showed that the values of b_1 and b_2 coefficients were significant in most cases. The values of R^2 were also high which showed that the girth or the length were the two major factors to determine the price obtained for the logs. The values of b_1 and b_2 coefficients, however, varied over a wide range in a given set on account of certain reasons.

The values of b_1 coefficient were higher at Ballarshah than the values at the other two depots. The traders at Ballarshah, therefore, paid more for the increase in the girth than the traders at the other two depots. In the same manner, the traders at Nasik paid more for the increase in the girth than the traders at Paratwada. The values of b_1 were generally

higher for a higher Trade Quality at Ballarshah and Paratwada, whereas no observation could be made in this respect from the data available for Nasik.

The values of b_2 coefficients showed that length carried a greater importance in the pricing of logs of a lower Trade Quality than in the pricing of logs of an upper Trade Quality, at each depot. The values also showed that in most of the years, the buyers of Trade Quality II at Nasik paid more for the increase in the length than the buyers of the same Trade Quality at the other two depots. It was not possible to compare these values for Trade Quality I at Ballarshah and Nasik.

APPENDIX ISPECIFICATIONS FOR GRADING LOGS INTO
DIFFERENT TRADE QUALITIESI - Plywood Quality Logs

1. Length - Generally 2 m. and over but teak logs above 1 m. will be accepted in girths above 120 cm.
2. Girth - Teak - 90 cm. and over, others 105 cm. and over.
3. Knots - Knots permitted for teak, ain and shisham if they lie within 15 cm. region of the circumference on the surface on one side or on two diametrically opposite sides.
4. End cracks -
 - a) Teak, ain and shisham -
 - i) crack permitted provided it does not interfere with slicing.
 - ii) three cracks permitted on one end provided their cumulative depth does not exceed 15 cm.
 - iii) surface cracks upto 1.5 cm. depth are permitted.
 - b) Other species -
 - i) cracks permitted upto 1.5 cm. depth
 - ii) other cracks permitted upto a cumulative depth of 15 cm. per metre length of a log.
5. Buttresses - Buttresses permitted if they are duly dressed.
6. Crotch - Crotch is not permitted.
7. Shakes -
 - i) Teak, ain and shisham - cup hearts and radial shakes visible from one or both ends and located within 5 cm. from centre heart, are permitted.
 - ii) Other species - Shakes etc. are permitted upto 15 cm. depth from either end.
8. Spongy wood and hollowness - These are permitted upto 5 cm. diameter at one end.
9. Taper -
 - i) Teak, ain and shisham - 10 cm. girth per metre length.
 - ii) Other species - 15 cm. girth per metre length.

II - Trade Quality I

1. Deviation from straightness - A deviation in straightness is permitted upto 15 cm. as measured from a line passing through the ends.
2. Taper - Taper is permitted upto 5 cm. per 30 cm. diameter in every 2.5 m. length of a log.
3. Hollow and spongy heart - It should not exceed one tenth of the diameter for logs below 120 cm. in girth and one fourth of the diameter for logs of 120 cm. and over in girth.
4. End splits and heart shakes - One split in radial direction or two splits in diametrically opposite direction upto any depth are allowed provided they occur on one end only or on identical sides at both ends. Other end-splits should not exceed one sixth of the diameter in depth and two per one foot girth. Heart shakes should not exceed one fourth the diameter of the log and at the centre only.
5. Knots and wounds - Side Wounds should not be more than 10 cm. in depth or one fourth of the diameter of the log, whichever is less. Dead knots of 5 to 7.5 cm. diameter should not exceed 4 per 2.5 m. length of the log.
6. Flutes - Flutes, upto 2.5 cms. in depth, should not be considered as a defect. Only 2 flutes upto 10 cm. in depth, are permissible.
7. Twist - It should not exceed 45 in a length of 2.5 m.
8. Surface cracks - Length of all cracks upto 2.5 cm. depth, should not be more than three times the length of the log. Cracks upto 1.25 cm. should not be considered as a defect.

III - Trade Quality II

1. Deviation from straightness - deviation in straightness is permitted upto 20 cm. as measured from the line passing through the ends.
2. Taper - As for Trade Quality I.
3. Hollow and spongy heart - It should not exceed one fourth of the diameter of the log.
4. End splits and heart shakes - As for Trade Quality I.

- 5. Knots and Wounds - Side Wounds should not be more than 12.5 cm. in depth or one third of the diameter of the log which ever is less. Dead knots of 5 to 7.5 cm. diameter should not exceed 8 or those of 7.5 cm. to under 10 cm. diameter should not exceed 6 per 2.5 m. length of the log.
- 6. Flutes - Flutes upto 5 cm. in depth, should not be considered as a defect. Only 3 flutes upto 10 cm. in depth, are permissible.
- 7. Twist - As for Trade Quality I.
- 8. Surface cracks - As for Trade Quality I.

IV - Trade Quality III or Saw Quality miscellaneous

- 1. Deviation from straightness - As for Trade Quality II.
- 2. Taper - Taper is permitted upto 5 cm. per 30 cm. diameter in every 3 m. length of a log.
- 3. Hollow and spongy heart - As for Trade Quality II.
- 4. End splits and heart shakes - As for Trade Quality I.
- 5. Knots and Wounds - As for Trade Quality II.
- 6. Flutes - As for Trade Quality II.
- 7. Twist - As for Trade Quality I.
- 8. Surface cracks - As for Trade Quality I.

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P A R T - II

PRICES OF TEAK LOGS AND POLES

AT

BALLARSHAH. NASIK AND PARATWADA

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(Average price in Rs. per m³)

Year and Quarter	Length 3.0-3.9 m.			Length 4.0-5.9m.			Length 6.0-7.9m	
	Girth classes in cm.			Girth classes in cm.			Girth classes in cm.	
	120.0-134.9	135.0-149.9	150.0 & over	120.0-134.9	135.0-149.9	150.0 & over	135.0-149.9	150.0 & over
1958 IV	-	-	1899.33	-	-	1694.05	-	1733.25
1959 I	1084.87	1238.84	1509.70	1084.16	1502.29	1548.90	-	2118.88
II	-	-	1132.54	612.36	1184.10	1500.17	1258.62	-
1960 I	572.10	669.57	1317.15	841.90	756.44	1376.92	1144.90	868.74
1961 I	990.22	876.51	1212.71	904.76	1202.47	1612.47	1232.84	1804.93
1962 II	752.56	1024.66	1571.15	906.88	953.50	1018.82	994.11	1255.91
1963 I	-	-	1343.90	-	859.03	1575.23	-	987.05
IV	-	-	-	862.31	764.91	1024.78	809.66	-
1964 I	-	618.37	918.75	659.34	778.41	1019.69	768.72	1018.61
IV	-	-	-	-	-	-	-	699.59
1965 II	-	-	1471.51	1247.09	1212.61	1660.27	-	-
1967 I	-	1018.87	1235.37	-	1015.55	1408.29	-	-
II	836.82	1178.07	1359.33	833.33	1019.34	1521.36	2026.08	1718.02
1968 I	677.71	-	1926.44	773.99	1250.44	1413.72	1148.73	-
II	866.33	1334.89	1644.66	-	929.36	2212.06	-	-
IV	-	-	-	-	1125.40	1177.30	-	-

Table 1.2 : Quarterly average prices of teak logs of Plywood Quality at the Ballarshah depot during 1958-1968 for the other length and girth classes

(Average price in Rs. per m.³)

<u>Length under 2 m.</u>			
<u>Girth 120.0-134.9 cm.</u>			
1959	I	801.64	1964 I 712.44
	II	537.84	1967 II 848.56
1960	I	657.56	
<u>Girth 135.0-149.9 cm.</u>			<u>Girth 150.0 cm. & over</u>
1959	I	561.97	1958 IV 899.82
	II	701.35	1959 I 1219.77
1960	I	594.70	II 1129.01
1961	I	594.70	1960 I 1279.45
<u>Girth 150.0 cm. & over</u>			1961 I 1478.27
1959	I	1015.30	1964 I 968.17
	II	674.16	1967 II 1075.95
	IV	833.07	
1960	I	832.72	<u>Length 6.0-7.9 m.</u>
1962	II	1016.00	<u>Girth 120.0-134.9 cm.</u>
<u>Length 2.0-2.9 m.</u>			
<u>Girth 120.0-134.9 cm.</u>			
1959	I	981.40	1959 I 1147.37
1960	I	547.02	1960 I 613.06
1961	I	990.22	1961 I 898.76
<u>Girth 135.0-149.9 cm.</u>			1965 II 1196.08
1959	I	1064.74	<u>Length 8.0-9.9 m.</u>
1960	I	651.20	<u>Girth 150.0 cm. and over</u>
1961	I	996.23	1961 I 2020.00

Table 2 : Quarterly average prices of teak logs of Trade Quality I at the Ballarshah depot during 1958-1968, for the length class under 2 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 and over
1959 I	293.82	284.99	393.41	459.09	526.54	329.37	760.33
II	290.99	287.81	388.81	459.44	479.54	493.70	741.26
IV	-	-	-	-	-	502.45	482.40
1961 I	365.86	342.55	466.15	497.23	535.72	574.57	672.04
II	-	-	-	-	-	-	754.50
1962 II	656.16	-	430.13	-	531.49	534.66	-
1963 I	-	-	336.90	-	391.64	459.09	532.90
IV	308.78	309.98	387.44	434.11	421.57	502.45	647.52
1964 I	285.71	-	-	402.59	515.69	508.13	-
II	320.56	-	373.74	-	-	-	-
IV	-	-	-	-	-	-	561.12
1965 I	-	684.83	-	-	-	-	-
1967 IV	-	274.57	-	-	646.88	-	-
1968 I	-	-	247.25	-	-	522.39	-
II	-	-	554.55	-	-	-	-

Table 3 : Quarterly average prices of teak logs of Trade Quality I at the Ballarshah depot during 1958-68
/m. for the length class 2.0-2.9/and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150 and over
1958 IV	133.49	244.38	302.65	480.28	343.61	-	1014.08
1959 I	293.82	314.65	415.65	472.16	573.51	643.08	960.21
II	278.99	331.96	438.96	-	556.56	569.63	761.03
IV	316.77	388.11	458.03	460.86	545.61	532.55	638.84
1961 I	365.86	342.55	466.15	468.98	688.99	759.27	1039.31
1963 IV	313.78	324.18	416.33	495.79	540.51	537.42	-
1964 I	285.71	315.58	386.02	402.59	515.69	557.16	586.95
II	320.56	-	373.74	493.29	573.20	-	-
IV	-	459.17	556.50	576.87	-	-	579.89
1965 I	388.80	-	-	537.97	649.36	-	-
II	-	564.11	465.68	504.08	325.16	-	1144.81
1967 I	-	404.04	431.03	511.64	468.47	730.93	905.96
II	-	340.90	415.44	499.72	515.79	544.52	861.79
IV	388.88	317.25	-	460.89	522.91	555.56	601.79
1968 I	-	401.33	-	514.26	-	417.48	542.35
II	291.95	352.59	-	625.40	700.04	643.77	871.05
IV	-	-	445.97	471.69	570.40	669.25	652.95

Table 4 : Quarterly average prices of teak logs of Trade Quality I at the Ballarshah depot during 1958-68, for the length class 3.0-3.9 m and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150 and over
1958 IV	205.18	238.37	316.07	-	425.19	-	1346.55
1959 I	293.82	351.38	379.99	495.47	576.69	683.69	777.98
II	308.30	366.57	451.32	-	548.79	573.51	866.62
IV	335.14	383.52	443.55	467.92	539.26	536.08	656.85
1961 I	-	437.90	464.74	547.02	558.68	770.57	1132.54
1962 II	-	357.74	-	483.81	-	585.17	819.48
IV	-	-	-	-	534.14	-	-
1963 I	-	292.41	378.22	472.51	509.94	530.07	559.74
IV	339.30	367.15	402.89	464.57	527.33	535.53	602.86
1964 I	299.95	373.75	406.40	487.33	529.56	553.75	639.64
II	320.56	-	373.74	494.82	573.20	-	603.62
IV	-	459.17	556.50	576.77	623.44	625.00	-
1965 I	388.80	437.50	468.96	546.87	-	678.49	-
II	361.97	548.02	464.85	596.28	780.96	752.22	978.20
1967 I	-	422.96	516.77	483.58	683.73	885.44	956.19
II	333.97	407.17	488.34	572.13	639.54	730.42	919.29
IV	282.70	416.56	496.60	491.17	559.51	404.12	738.08
1968 I	472.69	415.88	440.62	542.24	860.21	694.56	878.94
II	376.50	386.54	483.97	636.40	773.41	717.21	1123.86
IV	310.97	374.91	478.05	566.46	630.31	706.10	771.64

Table 5 : Quarterly average prices of teak logs of Trade Quality I at the Ballarshah depot during 1958-1968, for the length class 4.0-5.9 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150 and over
1958 II	208.71	294.88	330.90	-	-	-	-
IV	-	-	-	-	468.27	-	798.11
1959 I	-	367.27	463.68	533.25	769.86	744.08	1339.49
II	318.19	380.69	458.03	-	580.57	665.68	966.92
IV	379.28	425.19	474.63	504.65	567.51	579.16	813.30
1960 I	-	-	-	-	-	-	1005.06
1961 I	-	455.56	521.60	581.28	781.51	807.29	-
1962 I	414.42	405.65	519.66	529.20	-	-	1062.50
II	-	-	-	-	534.83	628.87	-
1963 I	282.70	347.68	443.73	506.77	539.96	550.20	938.66
IV	376.44	397.27	441.30	496.69	555.73	619.44	720.27
1964 I	349.03	386.07	414.19	479.19	548.83	597.13	748.87
II	320.56	-	421.35	480.24	541.27	-	596.97
IV	382.83	459.17	-	646.08	712.83	697.27	-
1965 I	388.80	437.50	468.96	-	639.81	-	963.44
II	331.07	508.24	489.95	600.88	729.36	767.08	1213.85
1967 I	443.30	512.34	567.67	605.23	684.47	593.73	1074.21
II	378.15	461.31	506.64	582.63	681.52	768.79	1079.31
IV	374.51	441.24	530.98	560.82	608.31	659.63	763.17
1968 I	393.37	493.11	556.64	585.10	904.59	900.75	1287.85
II	397.00	443.40	524.92	619.90	763.64	874.21	1364.26
IV	362.97	438.29	544.77	590.18	652.23	727.20	800.20

Table 6 : Quarterly average prices of teak logs of Trade Quality I at the Ballarshah depot during 1958-1968, for the length class 6.0-7.9 m. and the girth classes 60.0-74.9 cm. to 150 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-135.9	135.0-149.9	150 and over
1958 IV	256.03	313.24	353.50	-	448.85	-	1059.09
1959 I	-	334.43	481.69	559.03	-	715.83	692.52
II	346.44	437.55	479.57	-	613.06	628.95	755.38
IV	388.81	428.37	475.34	549.14	502.53	-	765.98
1961 I	-	440.02	554.09	618.01	720.07	859.91	854.62
II	-	-	-	-	-	-	681.40
1962 II	353.50	502.53	566.80	-	695.17	768.27	-
1963 I	321.54	343.09	456.27	571.74	-	-	-
IV	397.06	437.11	473.06	604.04	598.62	797.17	805.68
1964 I	402.50	407.79	488.73	525.82	586.27	653.52	785.46
II	368.71	-	464.47	500.05	559.22	-	600.47
IV	412.27	505.79	526.66	586.13	605.46	-	-
1965 I	388.80	437.50	492.24	-	-	-	-
II	451.40	584.13	523.89	648.21	904.79	735.41	913.24
1967 I	-	569.11	629.61	604.43	722.75	935.83	524.54
II	453.63	579.41	567.44	643.41	650.95	1185.31	1174.16
IV	412.71	510.60	551.99	780.61	634.35	-	900.79
1968 I	424.10	531.99	599.17	694.21	832.45	848.78	764.64
II	360.53	489.36	571.34	425.17	681.43	862.91	-
IV	369.50	-	624.11	655.46	643.48	807.85	751.87

Table 7 : Quarterly average prices of teak logs of Trade Quality I at the Ballarshah depot during 1958-1968, for the length class 8.0-9.9 m. and the girth classes 60.0-74.9 cm. to 150 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth Classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150 and over
1959 II	379.99	497.23	507.83	-	-	-	-
IV	388.81	-	-	554.44	-	610.59	-
1961 I	-	430.13	530.43	650.14	864.15	791.40	1077.80
1964 I	-	430.11	488.73	525.82	736.30	-	-
IV	438.96	505.79	-	-	-	-	-
1965 I	-	-	492.24	-	-	-	-
II	451.40	526.42	-	617.96	-	-	-
1967 I	-	-	-	930.39	-	-	937.15
II	-	-	584.79	-	-	-	-
1968 I	-	-	509.04	-	-	-	-
II	-	-	-	674.15	738.91	-	-
IV	-	-	505.21	-	-	-	-

Table 8 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-68, for the length class under 2.0 m. and the girth classes 45.0-59.9 cm. to 120.0-134.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.					
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958 II	-	-	-	-	301.23	-
IV	-	208.71	-	-	-	-
1959 I	-	333.72	-	349.97	-	-
IV	232.02	-	-	-	-	-
1960 II	130.31	188.23	-	-	-	331.96
IV	233.78	170.22	288.17	322.78	316.42	-
1965 I	278.02	257.87	-	-	-	480.77
II	346.78	383.87	-	-	-	407.60
IV	-	-	279.50	363.63	-	400.00
1966 II	194.51	122.15	-	497.76	462.10	237.71
IV	104.93	-	353.24	409.84	795.07	425.56
1967 I	-	-	325.13	-	-	-
II	-	311.18	332.51	338.04	322.36	296.45

Table 9 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-68, for the length class 2.0-2.9 m. and the girth classes 45.0-59.0 cm. to 120.0-134.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.					
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958 II	-	272.98	310.06	-	-	-
IV	-	256.03	337.96	342.20	342.20	-
1959 I	-	377.51	405.77	432.25	426.95	-
IV	-	377.16	-	-	-	-
1960 II	241.55	328.43	336.90	355.62	-	-
IV	240.85	313.95	376.10	401.17	413.54	431.90
1962 II	-	-	-	389.17	-	-
IV	-	342.91	373.63	410.71	-	-
1965 I	350.14	372.25	-	427.94	380.43	411.63
II	384.52	422.01	-	432.19	524.47	486.78
IV	-	-	-	524.47	-	532.63
1966 I	-	414.62	462.07	494.85	485.59	440.00
II	-	435.38	-	402.74	438.77	432.38
IV	192.06	167.17	206.79	267.23	675.67	653.43
1967 I	318.49	371.62	436.98	461.74	447.81	453.99
II	260.75	354.09	373.20	-	414.93	468.97
IV	269.25	-	-	-	-	-
1968 II	-	-	-	-	-	526.12
IV	207.92	381.80	-	-	515.40	502.48

Table 10 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-68, for one length class 3.0-3.9 m. and the girth classes 45.0-59.9 cm. to 120.0-134.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.					
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958 II	267.69	312.89	-	374.34	-	-
IV	290.29	321.01	375.75	378.93	401.53	-
1959 I	382.81	396.58	424.84	439.31	447.08	-
IV	-	-	455.91	-	-	-
1960 I	353.85	379.99	446.38	473.22	-	-
II	301.94	355.62	381.05	400.47	524.78	438.26
IV	303.71	363.74	402.94	395.88	450.97	480.63
1962 II	285.70	-	-	-	-	-
IV	342.38	389.52	408.77	453.09	-	-
1963 I	-	-	355.27	-	-	-
1965 I	386.16	429.59	478.59	503.70	458.01	375.37
II	411.61	455.60	501.67	507.69	-	544.66
IV	359.34	472.57	532.28	333.44	-	-
1966 I	427.51	552.92	501.75	493.51	420.75	489.00
II	-	456.78	473.94	420.49	503.19	410.75
IV	126.78	561.68	339.87	283.31	525.48	569.49
1967 I	345.70	451.36	550.41	484.27	444.19	505.95
II	334.92	435.07	458.34	495.68	467.66	506.35
IV	382.09	-	-	-	-	-
1968 II	-	405.13	433.70	477.65	512.02	526.12
IV	369.85	434.08	388.52	547.03	562.79	523.12

Table 11 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-1968, for the length class 4.0-5.9 m. and the girth classes 45.0-59.9 cm. to 120.0-134.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.					
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958 II	292.41	338.31	359.86	399.06	-	-
IV	326.66	365.15	382.46	483.11	465.80	-
1959 I	374.69	417.07	451.68	496.88	532.55	588.34
1960 I	-	396.23	444.26	470.39	-	-
II	365.51	368.33	401.53	474.63	-	-
IV	324.90	393.41	443.20	481.69	468.98	506.41
1962 II	367.63	407.53	462.27	441.79	456.98	476.75
IV	387.99	413.80	460.86	499.71	-	567.51
1963 I	361.10	413.89	430.40	459.44	454.85	-
II	424.72	529.95	566.33	537.81	-	650.68
IV	505.26	511.44	559.85	573.66	-	501.43
1966 I	444.20	484.03	532.23	563.93	530.04	598.08
II	-	-	496.15	567.69	525.84	527.45
IV	371.33	535.71	597.06	585.28	574.82	-
1967 I	457.38	496.24	524.67	553.90	546.78	441.60
II	378.15	393.03	523.79	549.10	601.17	523.81
IV	505.63	528.26	572.84	-	486.89	-
1968 II	-	448.80	492.16	513.69	537.83	584.71
IV	399.80	476.31	519.13	575.31	641.61	553.85

Table 12 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-1968, for the length class 6.0-7.9 m. and the girth classes 45.0-59.9 cm. to 120.0-134.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.					
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958 I	315.36	-	-	-	-	-
II	-	364.80	366.92	436.84	-	-
IV	338.31	365.15	402.94	459.44	471.10	-
1959 I	404.35	433.31	468.63	503.59	529.72	629.66
1960 I	-	429.07	448.50	508.18	526.19	-
II	383.16	454.50	474.28	556.56	563.98	582.69
IV	375.40	412.83	465.80	514.89	533.25	574.57
1962 II	-	-	-	461.21	490.52	558.33
IV	421.49	476.75	768.80	540.20	549.14	-
1963 I	385.99	435.78	-	502.18	458.03	-
1965 I	580.38	499.80	553.97	587.69	545.51	652.47
II	457.17	549.46	587.04	640.02	-	-
IV	-	542.50	657.43	548.57	-	-
1966 I	-	510.75	567.18	595.12	642.21	677.69
II	-	-	550.30	524.85	532.87	527.47
IV	137.45	-	566.38	568.18	558.65	-
1967 I	498.07	547.03	607.23	613.80	581.12	569.73
II	429.26	523.49	585.39	606.73	636.55	722.39
IV	516.79	521.37	663.61	706.44	624.24	-
1968 II	-	478.72	536.77	586.24	638.90	533.67
IV	431.22	512.34	539.73	623.16	645.84	697.10

Table 13 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-68, for the length class 8.0-9.9 m. and the girth classes 45.0-59.9 /to- 120.0-134.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm					
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958 II	-	372.22	453.79	445.32	447.08	-
IV	358.09	406.47	428.37	476.40	488.05	-
1959 I	449.56	463.33	509.94	535.02	535.37	-
1960 I	-	437.20	478.51	532.55	540.31	-
II	431.19	483.11	519.83	562.56	570.69	626.48
IV	-	390.93	503.94	512.77	565.04	-
1962 IV	423.78	484.52	529.72	548.79	-	-
1965 I	536.48	552.66	623.91	518.67	-	-
II	474.30	546.94	615.28	613.87	-	-
IV	-	525.25	-	604.74	-	-
1966 I	-	518.49	-	631.31	617.64	526.01
II	-	-	461.08	-	-	-
IV	-	-	-	-	-	444.28
1967 I	533.04	612.59	664.53	614.47	641.50	634.29
II	435.34	513.13	583.22	664.28	744.26	-
IV	-	521.37	633.20	657.89	-	-
1968 II	-	510.58	519.37	619.20	620.98	554.19
IV	352.59	485.37	508.15	651.46	668.51	-

Table 14 : Quarterly average prices of teak logs of Trade Quality I at the Nasik depot during 1958-1968, for the length class 10 m. and over and the different girth classes

(Average price in Rs. per m³)

Length 10 m. and over

Girth 45.0 - 59.9 cm.

1962 IV 472.69

Girth 60.0 - 74.9 cm.

1960 II 507.47

IV 378.22

1962 IV 542.08

Girth 75.0 - 89.9 cm.

1960 I 501.47

II 529.72

IV 504.29

1962 IV 541.73

Girth 90.0 - 104.9 cm.

1960 II 564.68

IV 572.45

Girth 105.0 - 119.9 cm.

1960 I 602.82

II 592.23

IV 612.00

Table 15 : Quarterly average prices of teak logs of Trade Quality I at the Paratwada depot during 1958-1968, for the length class under 2 m. and the different girth classes
(Average price in Rs. per m³)

Length under 2.0 m.			
Girth 45.0-59.9 cm.		Girth 105.0-119.9 cm.	
1958	II	123.95	1958 II 348.56
	IV	116.54	IV 293.47
1959	I	116.54	1959 II 313.24
	II	144.79	1960 I 375.04
	IV	198.47	II 427.66
1964	I	213.94	
Girth 60.0-74.9 cm.		Girth 120.0-134.9 cm.	
1958	II	171.28	1958 II 309.36
	IV	174.81	IV 342.20
1959	II	220.72	1959 I 336.20
	IV	226.72	II 372.92
1960	II	284.64	1960 I 500.06
			II 431.90
Girth 75.0-89.9 cm.		Girth 135.0-149.9 cm.	
1958	II	205.18	1958 II 353.50
	IV	243.67	1959 I 355.27
1959	I	220.72	II 411.77
	II	276.51	IV 270.51
1960	I	396.23	
Girth 90.0-104.9		Girth 150 cm. and over	
1958	II	246.14	1958 II 271.57
	IV	221.73	IV 455.56
1959	I	248.26	1959 II 372.57
	II	295.58	IV 529.72
	IV	313.59	
1960	I	325.25	
	II	332.66	
1961	I	341.49	

Table 16 : Quarterly average prices for teak logs of Trade Quality I at the Paratwada depot during 1958-1968, for the length class 2.0-2.9 m. and the different girth classes

(Average price in Rs. per m³)

Length 2.0 - 2.9 m.					
Girth 45.0-59.9 cm.			Girth 90.0-104.9 cm.		
1958	II	173.75	1958	II	309.71
	IV	198.47		IV	318.89
1959	I	198.12	1959	I	305.83
	II	230.96		II	327.01
	IV	276.51		IV	361.62
1960	I	284.28	1960	I	428.37
	II	285.70		II	434.37
	IV	325.95		IV	473.92
1963	II	170.57	1961	I	467.92
1964	I	243.01			
Girth 60.0-74.9 cm.			Girth 105.0-119.9 cm.		
1958	II	223.54	1958	II	346.08
	IV	227.07		IV	333.02
1959	I	241.55	1959	I	319.24
	II	279.69		II	402.94
	IV	349.26		IV	376.45
1960	I	350.67	1960	I	456.97
	II	344.67		II	435.08
	IV	342.20		IV	432.61
Girth 75.0-89.9 cm.			1961	I	483.46
1958	II	287.81	1967	I	606.10
	IV	286.40	Girth 120.0-134.9 cm.		
1959	I	288.97	1958	II	410.36
	II	346.08		IV	372.22
	IV	350.67	1959	I	392.70
1960	I	379.99		II	451.32
	II	387.05		IV	472.51
	IV	406.83	1960	I	505.71
1961	I	387.05		II	490.52
1967	I	464.03		IV	485.93

(Continued)

(Continued)

Paratwada depot Trade Quality I length 2.0-2.9

 Length 2.0 - 2.9 m.

1961 I 442.85

1967 I 735.29

Girth 135.0-149.9 cm.

1958 II 419.89

IV 376.81

1959 I 395.17

II 445.32

IV 447.08

1960 I 535.72

II 490.17

IV 449.20

1967 I 730.18

Girth 150.0 cm. and over

1958 II 464.04

IV 360.21

1959 I 413.18

II 488.05

Table 17 : Quarterly average prices of teak logs of Trade Quality I at the Paratwada depot during 1958-1968, for the length class 3.0-3.9 m. and the different girth classes

		(Average price in Rs. per m ³)	

Length 3.0 - 3.9 m.			

Girth 45.0-59.9 cm.		Girth 90.0-104.9 cm.	
1958	II	215.77	1958 II 353.15
	IV	214.01	IV 344.67
1959	I	228.84	1959 I 330.19
	II	266.63	II 389.17
	IV	244.73	IV 363.74
1960	I	336.90	1960 I 441.43
	II	239.08	II 448.85
	IV	301.94	IV 438.96
1961	I	302.29	1961 I 381.40
			1967 I 542.26
Girth 60.0-74.9 cm.		Girth 105.0-119.9 cm.	
1958	II	268.04	1958 II 400.82
	IV	266.63	IV 382.81
1959	I	283.58	1959 I 398.00
	II	353.50	II 420.24
	IV	375.04	IV 653.68
1960	I	354.91	1960 I 479.22
	II	367.27	II 468.98
	IV	356.33	IV 506.77
1961	I	346.79	1967 I 588.28
Girth 75.0-89.9 cm.		Girth 120.0-134.9 cm.	
1958	I	316.60	1958 II 472.16
	II	314.30	IV 404.71
1959	I	322.78	1959 II 453.79
	II	369.04	IV 563.62
	IV	400.82	1960 I 502.23
1960	I	412.12	IV 493.35
	II	416.06	1967 I 698.82
	IV	426.25	
1961	I	394.47	
1967	I	466.20	

(Continued)

(Continued)

 Length 3.0 - 3.9 m.

Girth 135.0-149.9 cm.

1958	II	487.34
	IV	441.43
1959	I	412.12
	II	506.77
	IV	544.55
1960	I	529.72

Girth 150 cm. and over

1958	II	532.19
	IV	444.61
1959	I	455.56
	II	498.29
1960	I	567.86
1967	I	737.70

Table 18 : Quarterly average price of teak logs of Trade Quality I at the Paratwada depot during 1958-1968, for the length class 4.0-5.9 m. and the different girth classes

(Average price in Rs. per m³)

Length 4.0 - 5.9 m.					
Girth 45.0-59.9 cm.					
1958	II	238.02	1960	I	437.20
	IV	234.14		II	441.43
1959	I	265.15		IV	414.95
	II	286.76	1961	I	472.86
	IV	313.95	Girth 90.0-104.9 cm.		
1960	I	317.83	1958	II	383.52
	II	319.60		IV	357.38
	IV	349.62	1959	I	359.50
1961	I	353.85		II	422.36
1963	II	144.79		IV	365.15
1965	I	393.55	1960	I	524.42
Girth 60.0-74.9 cm.					
	II	431.19		II	431.19
1958	II	287.11		IV	480.63
	IV	299.47	1961	I	474.63
1959	I	310.77	1967	I	562.85
	II	385.28	Girth 105.0-119.9 cm.		
	IV	411.42	1958	II	452.58
1960	I	385.99		IV	426.60
	II	385.99	1959	I	427.66
	IV	432.25		II	435.43
1961	I	366.21		IV	537.84
Girth 75.0-89.9 cm.					
	I	481.69	1960	I	481.69
1958	II	331.96		II	483.11
	IV	300.53		IV	509.94
1959	I	354.56	1961	I	471.10
	II	396.94		II	571.04
	IV	432.61			

(Continued)

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 Length 4.0 - 5.9 m.

1959	I	431.19
	II	475.69
	IV	621.54
1960	I	461.92
	II	556.56

Girth 135.0-149.9 cm.

1958	II	518.77
	IV	494.05
1959	I	435.78
	II	453.79
1960	I	617.65

Girth 150 cm. and over

1958	II	581.63
1959	II	470.74
1960	I	571.39

Table 19 : Quarterly average prices of teak logs of Trade Quality I at the Paratwada depot during 1958-1968 for the length 6.0-7.9 m. and the different girth classes / class

(Average price in Rs. per m³)

Length 6.0 - 7.9 m.					
Girth 45.0-59.9 cm.			Girth 120.0-134.9 cm.		
1958	II	247.56	1958	II	525.13
1959	I	300.17	1959	II	406.12
	II	294.88	1960	I	517.71
	IV	311.48	Girth 135.0-149.9 cm.		
1960	I	324.90	1958	II	533.25
Girth 60.0-74.9 cm.			1959	I	447.08
1958	IV	315.01	Girth 150 cm. and over		
1959	I	314.30	1958	II	661.44
	II	353.85			
	IV	284.99			
1960	I	398.00			
Girth 75.0-89.9 cm.					
1958	II	369.39			
	IV	356.68			
1959	I	359.15			
1960	I	431.55			
Girth 90.0-104.9 cm.					
1958	II	355.27			
1959	II	386.70			
1960	I	489.11			
Girth 105.0-119.9 cm.					
1958	II	464.04			
1959	II	356.33			
1960	I	469.33			
	II	499.00			
	IV	501.12			

Table 20 : Quaterly average prices of teak logs of Trade Quality II at the Ballarshah depot during 1958-1968, for the length class under 2 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0- 74.9	75.0- 89.9	90.0- 104.9	105.0- 119.9	120.0- 134.9	135.0- 149.9	150 and over
1959 I	287.81	259.21	369.39	372.92	410.00	419.19	775.16
II	218.24	242.97	289.93	381.40	365.15	710.53	424.48
IV	-	-	-	-	418.83	-	-
1961 I	283.22	317.13	387.05	394.47	463.33	484.52	574.92
1962 II	-	-	394.47	-	408.95	404.71	523.19
1963 I	206.24	-	-	-	-	-	-
IV	209.06	267.53	275.20	354.17	370.93	377.64	443.84
1964 I	230.41	-	-	364.19	343.11	398.15	489.51
II	-	-	253.66	254.54	-	-	335.82
IV	252.42	302.06	328.79	398.22	369.18	232.55	433.52
1965 I	-	246.47	-	327.27	-	-	-
II	173.76	336.49	399.60	-	-	-	430.71
1967 I	-	-	245.35	-	-	-	-
II	-	-	245.35	-	-	375.52	538.44
IV	222.22	249.85	-	313.21	415.75	469.21	448.39
1968 I	-	-	271.49	-	352.10	293.60	437.11
II	-	-	-	187.37	251.35	307.45	456.81
IV	-	-	410.20	-	-	-	476.33

Table 21 : Quarterly average prices of teak logs of Trade Quality II at the Ballarshah depot during 1958-1968, for the length class 2.0-2.9 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 IV	137.37	170.92	264.86	-	-	-	-
1959 I	287.81	266.98	386.70	395.17	438.26	474.28	771.98
II	243.32	266.27	327.01	432.25	436.49	422.72	763.86
IV	298.41	341.14	448.50	447.08	453.79	440.02	478.16
1961 I	283.22	-	431.90	470.74	539.61	569.98	662.86
1963 IV	228.10	297.70	302.06	331.75	343.19	413.64	356.75
1964 I	230.41	299.43	328.90	351.55	407.99	420.94	453.49
II	-	-	-	357.22	324.58	-	384.41
IV	283.69	302.07	357.65	392.36	406.48	553.31	593.36
1965 I	-	246.47	408.29	416.25	-	521.52	-
II	235.50	365.23	397.66	448.41	515.83	623.06	1123.12
1967 I	250.01	319.76	374.99	450.74	472.04	522.49	769.39
II	300.69	327.07	379.08	364.59	450.68	458.87	740.46
IV	236.27	257.21	339.95	406.38	419.37	444.24	710.84
1968 I	213.97	258.34	330.66	375.77	317.76	414.30	478.93
II	173.81	300.78	329.46	335.57	403.42	400.02	453.34
IV	212.00	306.33	364.43	419.01	415.89	480.72	512.64

Table 22 : Quarterly average prices of teak logs of Trade Quality II at the Ballarshah depot during 1958-1968, for the length class 3.0-3.9 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 and over
1959 IV	171.98	205.88	265.92	-	-	-	-
1959 I	-	313.24	398.35	444.26	434.72	467.57	-
II	274.75	264.51	379.63	683.34	463.68	474.28	711.24
IV	309.00	311.12	431.90	457.33	464.04	460.15	553.74
1961 I	-	-	434.02	446.02	557.80	599.29	698.17
1962 I	-	377.96	404.00	369.39	408.24	515.24	662.86
1963 I	206.24	262.04	318.89	366.21	395.17	-	-
IV	256.84	294.99	332.48	383.34	405.80	425.74	372.85
1964 I	263.04	293.87	327.00	389.46	411.06	500.00	455.52
II	234.43	-	276.20	334.61	-	-	404.39
IV	297.10	345.21	381.22	426.85	506.83	500.00	538.42
1965 I	319.66	308.92	408.29	416.25	-	494.03	770.39
II	301.96	421.83	394.08	490.44	554.44	639.90	711.52
1967 I	287.11	369.96	432.39	435.28	499.22	540.56	705.88
II	265.39	335.94	393.03	424.90	524.47	414.35	726.59
IV	254.40	329.57	373.71	463.51	414.14	470.05	539.93
1968 I	227.63	321.87	353.77	406.49	457.02	483.25	533.49
II	287.89	347.64	444.78	427.63	479.18	512.38	563.79
IV	240.52	315.89	406.77	440.23	499.51	513.03	576.59

Table 23 : Quarterly average prices of teak logs of Trade Quality II at the Ballarshah depot during 1958-1968 for the length class 4.0-5.9 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0- 74.9	75.0- 89.9	90.0- 104.9	105.0- 119.9	120.0- 134.9	135.0- 149.9	150.0 & over
1958 IV	177.99	230.96	294.52	-	-	-	-
1959 I	-	335.14	399.76	476.04	525.48	574.92	1069.68
II	282.87	342.55	394.11	468.27	560.44	485.22	600.70
IV	335.84	367.27	449.20	499.00	556.91	461.21	541.37
1961 I	-	-	450.62	509.94	602.82	633.55	708.06
1962 II	354.91	344.41	411.77	455.56	485.31	535.02	568.99
1963 I	217.54	274.22	326.66	414.42	456.62	441.79	-
IV	282.08	340.07	355.26	401.39	429.44	481.20	571.39
1964 I	286.72	322.78	346.21	400.30	438.13	484.89	480.05
II	283.27	-	321.94	369.53	379.28	-	412.49
IV	313.35	328.00	442.84	454.67	457.13	528.32	659.69
1965 I	359.28	354.96	408.29	416.25	-	488.69	591.99
II	343.59	595.11	441.87	484.74	567.01	580.29	1048.83
1967 I	331.82	422.81	482.37	509.59	545.45	581.16	685.10
II	333.87	365.96	449.62	492.76	534.17	551.03	728.34
IV	294.21	337.40	563.08	456.66	473.35	502.79	594.43
1968 I	283.48	350.94	437.97	492.30	589.32	760.69	633.52
II	308.08	385.05	421.02	463.57	548.06	609.49	879.92
IV	368.87	354.72	476.03	492.24	552.34	552.79	596.45

Table 24 : Quarterly average prices of teak logs of Trade Quality II at the Ballarshah depot during 1958-1968, for the length class 6.0-7.9 m. and the girth classes 60.0-74.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.						
	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 IV	247.20	269.10	-	-	-	-	-
1959 I	-	353.15	423.07	506.77	-	520.19	743.37
II	326.66	416.71	453.79	501.47	532.90	603.88	600.00
IV	-	416.01	454.85	-	-	-	-
1961 I	-	-	479.57	541.73	646.97	-	627.90
1962 II	322.78	444.97	449.20	455.91	485.40	798.11	569.63
1963 I	288.88	260.62	-	421.48	413.18	-	692.52
IV	303.89	361.91	373.02	416.60	516.68	501.82	619.89
1964 I	271.71	354.84	365.43	429.86	447.22	481.01	577.49
II	-	-	363.47	374.13	445.18	-	434.57
IV	346.75	375.15	430.49	483.28	461.82	539.77	485.76
1965 I	356.48	-	443.85	416.25	485.49	-	-
II	389.16	506.35	490.54	536.36	601.85	630.29	739.32
1967 I	356.62	454.56	526.36	550.45	619.73	658.25	778.83
II	360.10	455.11	457.69	528.14	586.50	593.75	775.02
IV	324.17	398.65	463.40	502.87	507.07	-	726.28
1968 I	343.04	395.52	528.53	569.53	564.03	763.97	787.60
II	373.06	392.60	362.45	517.62	537.35	689.40	776.66
IV	321.51	389.66	516.51	577.73	654.73	571.52	688.12

Table 36 : Quarterly average prices of teak logs of Trade Quality II at the Paratwada depot during 1958-1968, for the length class 4.0-5.9 m. and the girth classes 45.0-59.9 cms. to 150.0 cms. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-105.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	132.08	207.30	254.97	309.71	352.09	412.48	425.54	454.85
IV	200.23	242.61	282.16	323.13	354.56	367.27	343.97	364.45
1959 I	228.49	252.85	322.07	330.90	336.90	341.14	367.39	421.19
II	253.56	309.36	331.61	331.61	369.39	410.71	319.99	370.80
IV	284.64	339.73	357.04	445.67	393.05	424.13	507.83	-
1960 I	278.99	327.72	342.55	386.70	417.82	437.57	452.03	496.88
II	244.73	330.55	395.88	400.82	412.48	458.38	447.44	433.31
IV	270.86	321.72	357.38	505.71	442.85	461.21	340.58	343.26
1961 I	214.71	329.84	366.21	398.70	407.53	439.31	419.89	335.14
II	331.96	384.93	423.78	417.77	415.65	434.37	461.71	530.43
1963 I	282.16	331.25	390.23	402.94	467.92	510.65	548.08	549.50
II	288.03	347.86	411.43	456.28	496.45	523.21	-	648.05
IV	322.07	416.71	427.66	451.68	471.10	657.91	448.50	-
1964 I	255.31	339.30	368.01	441.34	508.18	376.63	-	-
II	301.87	366.96	414.80	390.92	424.24	397.95	377.63	394.54
IV	364.59	438.51	511.27	450.52	541.63	518.69	795.43	543.71
1965 I	348.24	409.62	408.25	454.11	493.78	488.77	451.05	549.68
II	383.52	445.05	485.44	521.63	565.25	590.97	612.07	536.15
IV	327.50	374.21	499.65	481.43	514.04	480.46	573.16	-
1966 I	315.27	459.47	466.53	461.30	544.35	533.86	-	-
II	310.72	418.51	422.52	486.17	474.16	420.12	622.73	547.12
IV	278.89	348.39	426.67	501.08	513.21	430.25	-	452.74
1967 I	400.83	682.91	485.39	654.77	571.02	517.13	460.32	502.55
II	293.20	425.28	393.34	508.18	493.80	546.18	436.14	398.26
IV	320.63	427.52	464.00	435.35	397.32	525.45	624.36	497.65
1968 I	352.83	410.64	456.70	465.66	604.76	521.93	646.12	613.27
II	372.98	347.07	441.88	525.19	578.39	-	759.29	-
IV	289.05	414.29	504.02	437.00	529.84	558.34	683.27	608.03

Table 35 : Quarterly average prices of teak logs of Trade Quality II at the Paratwada depot during 1958-1968, for the length class 3.0-3.9 m. and the girth classes 45.0-59.9 cms. to 150.0 cms. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & above
1958 II	127.13	176.93	246.14	269.80	341.49	377.51	374.34	406.12
IV	171.28	231.66	274.40	312.54	320.30	342.55	342.91	321.13
1959 I	189.64	235.90	287.46	322.42	331.25	311.12	359.86	378.57
II	234.84	293.11	344.32	330.55	364.09	351.03	377.51	407.53
IV	263.09	346.08	354.56	442.14	449.56	418.48	426.25	465.45
1960 I	244.02	272.98	317.13	347.50	395.52	406.83	399.06	426.95
II	229.55	314.30	321.72	392.35	398.35	411.42	411.42	376.45
IV	242.61	304.41	351.38	423.07	414.24	443.55	423.07	439.31
1961 I	205.53	307.59	521.60	361.62	418.13	430.49	408.24	324.90
II	286.05	374.34	389.17	434.37	427.31	447.44	473.22	473.92
1963 I	228.84	284.99	322.42	360.21	442.49	515.24	534.66	629.66
II	229.91	289.06	302.45	396.95	451.86	479.77	453.79	206.60
IV	259.80	312.89	330.55	399.76	485.58	523.72	536.78	-
1964 I	214.20	300.02	343.49	491.54	485.16	470.24	674.37	633.80
II	304.72	340.82	617.38	381.37	324.38	448.39	-	660.22
IV	289.59	664.64	401.64	413.36	494.81	512.18	456.64	-
1965 I	287.36	356.86	402.39	407.56	478.99	500.54	428.38	473.88
II	358.87	408.91	480.03	495.91	550.15	597.10	665.24	619.24
IV	314.35	389.84	381.06	422.98	494.88	508.20	502.89	589.96
1966 I	208.28	390.31	210.65	441.58	499.46	542.83	509.22	447.76
II	264.74	318.91	372.51	302.96	470.88	497.23	423.79	558.38
IV	271.80	344.36	318.94	388.44	491.79	489.12	526.56	424.43
1967 I	340.87	460.09	422.18	545.62	513.93	503.58	575.52	590.90
II	327.07	386.49	419.56	469.32	413.62	577.83	413.55	443.00
IV	320.24	405.12	433.72	494.96	478.36	525.03	563.25	469.73
1968 I	332.29	399.97	450.08	479.85	524.82	536.00	530.85	542.85
II	321.44	384.34	468.24	492.91	555.96	605.64	618.80	671.52
IV	281.18	373.15	472.27	509.01	518.30	481.20	470.94	465.11

Table 34 : Quarterly average prices of teak logs of Trade Quality II at the Paratwada depot during 1958-1968, for the length class 2.0-2.9 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	120.07	138.08	194.94	247.56	274.40	300.17	309.00	322.42
IV	149.03	211.18	244.38	268.39	292.76	328.43	311.12	324.54
1959 I	156.09	213.30	250.38	287.11	316.77	266.63	349.97	346.08
II	203.77	242.61	281.11	288.87	336.55	403.29	376.81	-
IV	222.13	342.91	316.77	327.01	396.58	437.20	411.77	-
1960 I	198.12	258.15	289.58	365.51	375.40	377.87	394.47	-
II	165.27	210.48	282.87	362.68	384.22	333.72	383.87	359.15
IV	197.41	262.39	303.35	381.75	378.93	412.83	399.41	387.76
1961 I	181.87	250.38	296.29	357.74	389.17	407.88	382.46	356.68
II	236.61	300.17	346.08	393.76	415.65	381.05	384.93	462.27
1963 I	225.66	259.21	302.29	325.25	392.35	483.81	530.78	504.29
II	201.48	246.68	321.56	360.22	409.49	391.12	443.04	-
IV	226.01	290.99	321.36	372.92	433.31	499.00	415.30	-
1964 I	191.09	247.07	313.17	376.06	476.78	462.94	421.20	596.79
II	232.87	315.43	374.14	349.88	349.61	444.54	405.65	-
IV	260.40	541.40	470.80	393.35	494.33	465.97	495.90	-
1965 I	256.14	325.64	379.34	406.32	434.46	458.59	482.16	421.68
II	296.89	363.28	428.41	466.18	524.15	524.34	515.76	429.87
IV	256.47	330.80	383.45	326.79	441.41	467.35	619.83	419.55
1966 I	204.60	330.55	374.72	380.04	449.56	455.32	484.28	527.00
II	272.22	276.43	292.00	271.72	412.06	309.45	413.15	403.47
IV	201.02	273.43	347.31	359.55	371.50	382.71	339.99	304.12
1967 I	237.26	386.08	426.56	473.38	523.35	439.66	310.75	844.52
II	283.32	343.89	418.13	454.93	467.33	481.05	404.50	391.85
IV	207.42	463.78	412.36	459.35	476.45	516.85	525.73	527.04
1968 I	304.90	393.44	412.34	466.35	512.42	536.39	508.57	489.46
II	312.23	365.50	398.42	467.66	541.73	579.60	583.08	579.52
IV	267.49	330.37	456.57	528.51	446.79	463.11	387.76	464.80

Table 33 : Quarterly average prices of teak logs of Trade Quality II obtained at the Paratwada depot during 1958-1968, for the length class under 2 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	80.87	102.41	138.43	175.87	178.34	187.52	254.62	266.98
IV	98.88	153.97	175.87	198.47	231.66	222.48	246.50	263.09
1959 I	105.24	175.51	223.90	228.13	230.25	234.44	256.74	294.88
II	166.69	187.17	217.89	233.43	266.63	292.05	301.59	214.72
IV	175.16	273.69	220.72	-	326.66	365.86	334.43	340.79
1960 I	174.81	232.37	257.80	281.81	325.95	401.17	361.98	347.50
II	125.37	164.21	201.29	303.00	313.59	318.89	375.75	257.80
IV	151.50	191.41	224.25	253.91	266.63	347.50	301.94	319.95
1961 I	153.27	211.54	173.75	268.39	305.47	379.28	402.23	-
II	141.26	225.66	240.14	286.05	342.55	342.55	284.28	369.39
1963 I	191.76	214.01	251.09	305.47	347.14	416.36	-	326.66
II	162.46	203.24	247.74	276.17	339.91	341.51	347.50	495.13
IV	197.76	260.27	296.64	338.67	382.81	428.01	346.44	-
1964 I	157.27	205.24	239.71	300.96	404.73	430.71	-	-
II	198.71	253.82	289.92	326.11	398.38	-	423.71	433.83
IV	200.79	307.67	544.82	342.80	431.13	408.28	457.32	484.54
1965 I	205.06	257.89	317.00	346.11	369.78	388.74	226.13	-
II	245.37	292.46	358.65	393.43	522.38	405.32	451.49	416.38
IV	218.97	261.80	298.89	338.97	363.31	422.03	382.78	-
1966 I	255.07	281.85	307.35	380.74	550.29	427.28	439.67	291.60
II	299.21	207.67	294.36	311.67	353.53	431.37	310.84	280.37
IV	185.88	214.65	331.20	329.22	272.02	404.52	215.73	328.69
1967 I	258.12	318.81	331.28	459.45	452.33	237.30	308.64	459.52
II	210.60	267.37	346.81	383.96	404.50	405.61	473.93	150.18
IV	262.13	323.63	404.65	452.62	464.52	432.37	510.84	665.95
1968 I	223.42	279.76	343.39	366.87	416.34	427.01	423.74	426.91
II	204.74	211.02	326.42	369.62	363.72	429.56	445.97	-
IV	238.15	290.84	350.37	414.34	452.40	405.13	364.20	416.48

Table 32 : Quarterly average prices of teak logs of Trade Quality II at the Nasik depot during 1958-1968, for the length class 10.0 m. and over and the different girth classes.

(Average price in Rs. per m³)

 Length 10.0 m. and over

Girth 45.0 - 59.9 cm.

1962 II 261.33

IV 414.97

Girth 60.0 - 74.9 cm.

1960 II 462.27

1962 IV 469.51

1963 II 441.58

Girth 75.0 - 89.9 cm.

1960 IV 504.29

1962 II 537.31

1963 IV 494.84

Girth 90.0 - 104.9 cm.

1960 I 558.68

II 547.02

IV 538.55

1962 II 437.37

IV 550.91

1963 IV 543.19

1964 II 573.06

IV 520.00

Table 31 : Quarterly average prices of teak logs of Trade Quality II at the Nasik depot during 1958-1968, for the length class 8.0-9.9 m. and the girth classes 45.0-59.9 cm. to 120.0-134.9 cm.

Year and Quarter		(Average price in Rs. per m ³)					
		Girth classes in cm.					
		45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958	II	309.71	310.77	341.14	356.33	387.05	-
	IV	293.11	308.65	344.32	353.15	370.10	-
1959	I	-	398.70	-	455.91	-	-
	II	-	-	416.71	-	-	-
1960	I	-	413.54	437.20	472.86	441.43	-
	II	372.57	459.09	476.75	-	-	-
	IV	413.54	367.98	464.74	-	-	-
1962	II	-	-	-	-	460.86	-
	IV	340.79	436.49	479.22	538.90	527.25	-
1963	I	-	-	-	-	-	410.36
	IV	-	383.18	473.47	512.97	503.96	-
1964	I	-	429.55	550.00	435.48	423.95	-
	II	-	442.58	512.03	475.91	-	-
	IV	-	422.42	457.01	525.00	-	-
1965	I	497.43	547.06	546.15	514.28	502.83	554.01
	II	-	512.74	571.97	601.89	580.67	598.63
	IV	396.98	485.93	566.63	612.96	-	-
1966	I	426.42	450.66	541.08	592.95	576.33	567.55
	II	248.63	432.67	519.39	545.63	-	413.27
	IV	-	-	458.01	-	-	-
1967	I	406.20	-	603.60	586.65	522.64	457.67
	II	446.42	508.39	585.29	549.29	-	666.55
	IV	471.29	520.61	593.55	608.17	665.30	641.02
1968	II	-	440.50	480.62	368.89	500.00	554.19
	IV	352.49	508.15	536.85	603.77	582.21	691.42

Table 30. : Quarterly average prices of teak logs of Trade Quality II at the Nasik depot during 1958-1968, for the length class 6.0-7.9 m. and the girth classes 45.0-59.9 cm. to 120.0-134.9 cm.

Year and Quarter		(Average price in Rs. per m ³)					
		Girth classes in cm.					
		45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9
1958	II	274.40	309.00	366.92	436.84	-	-
	IV	258.86	337.96	402.94	459.44	471.10	-
1959	I	360.56	410.71	468.63	503.59	529.72	629.66
1960	I	-	390.93	429.07	-	-	-
	II	359.86	372.92	450.62	525.84	508.88	535.72
	IV	292.76	345.02	414.95	448.14	507.83	513.83
1962	II	283.58	321.54	399.76	418.66	436.14	549.14
	IV	366.83	416.10	463.05	491.35	513.71	516.48
1963	I	-	377.16	413.18	454.15	-	-
	IV	287.05	365.62	452.61	449.29	438.61	-
1964	I	282.64	332.99	390.03	412.01	395.08	-
	II	284.86	392.49	426.74	475.47	484.58	366.71
	IV	374.10	434.19	483.33	383.74	559.84	-
1965	I	376.66	450.84	483.27	488.39	443.89	472.14
	II	422.57	474.77	486.51	536.37	541.02	461.06
	IV	409.25	461.14	521.29	560.66	500.92	510.12
1966	I	373.58	420.54	488.25	517.75	533.24	521.37
	II	378.92	437.27	465.08	444.20	474.64	504.77
	IV	393.79	482.23	562.51	523.19	-	618.76
1967	I	435.42	492.05	534.53	559.41	507.22	563.10
	II	397.65	488.47	518.64	559.39	534.00	419.50
	IV	471.29	559.11	542.57	558.45	602.28	594.17
1968	II	327.75	435.31	456.68	494.56	579.29	562.37
	IV	351.29	439.26	515.78	510.84	525.76	658.89

Table 29 : Quarterly average prices of teak logs of Trade Quality II at the Nasik depot during 1958-1968, for the length class 4.0-5.9 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over

Year and Quarter		(Average price in Rs. per m ³)							
		Girth classes in cm.							
		45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 and over
1958	II	257.44	263.09	312.89	-	-	-	-	-
	IV	250.23	289.58	334.08	341.85	344.67	-	-	-
1959	I	338.31	382.11	425.19	393.41	-	-	-	-
	IV	327.72	381.04	-	-	-	-	-	-
1960	I	333.72	348.56	-	-	-	-	-	-
1962	II	219.31	356.68	403.65	407.53	374.69	383.34	369.39	-
	IV	262.57	371.16	402.16	428.10	458.83	491.11	475.69	447.09
1963	I	275.63	352.97	386.34	395.70	-	-	-	-
	II	312.61	395.25	421.00	-	-	-	-	-
	IV	276.70	351.80	392.58	409.30	421.62	419.85	466.29	379.98
1964	I	202.28	309.65	357.27	354.77	344.24	348.17	393.93	-
	II	252.21	330.20	396.12	383.78	404.64	427.51	323.60	398.23
	IV	307.22	407.71	410.57	467.74	525.07	252.83	-	-
1965	I	340.52	399.67	434.02	437.79	438.03	403.66	-	-
	II	340.92	420.53	470.71	471.10	495.98	-	-	-
	IV	372.77	410.40	471.48	477.26	471.08	430.93	-	-
1966	I	302.08	398.83	437.07	460.22	480.59	519.00	-	-
	II	316.12	370.10	431.38	428.32	413.85	429.65	-	-
	IV	358.97	451.78	504.61	522.04	521.32	561.93	-	-
1967	I	361.00	440.44	468.58	505.05	498.39	439.61	-	-
	II	336.96	424.39	468.10	471.35	473.62	464.51	-	-
	IV	357.01	460.96	477.33	575.24	478.46	557.75	-	-
1968	II	326.49	378.76	407.70	441.50	469.94	473.19	-	-
	IV	309.20	390.80	411.89	393.09	474.45	526.67	-	-

Table 28 : Quarterly average prices of teak logs of Trade Quality II at the Nasik depot during 1958-1968 for the length class 3.0-3.9 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over

		(Average price in Rs. per m ³)							
Year and Quarter	Girth classes in cm.								
	45.0- 59.9	60.0- 74.9	75.0- 89.9	90.0- 104.9	105.0- 119.9	120.0- 134.9	135.0- 149.9	150.0 and over	
1958	II	-	257.80	312.89	352.79	-	-	-	-
	IV	230.60	261.33	334.08	337.96	358.44	-	-	-
1959	I	333.37	365.15	425.19	409.65	-	-	-	-
	IV	346.79	-	412.48	424.13	-	-	-	-
1960	I	314.30	345.73	387.76	378.22	-	-	-	-
	II	292.05	299.47	336.55	382.81	435.43	411.77	-	-
	IV	231.66	297.00	378.22	400.82	411.06	403.29	385.64	405.41
1962	II	203.41	305.47	334.43	370.10	359.15	345.38	330.55	-
	IV	240.73	332.54	367.63	370.45	395.29	412.00	410.77	341.49
1963	I	263.09	302.29	306.53	326.21	381.40	-	277.22	-
	II	282.23	347.62	364.84	395.70	-	-	-	-
	IV	216.89	277.23	328.45	351.09	372.56	305.38	372.19	398.21
1964	I	177.06	246.22	307.05	315.31	362.17	293.99	304.88	247.38
	II	178.48	264.36	314.69	360.61	295.92	454.19	221.11	430.31
	IV	287.92	365.15	366.25	429.18	433.52	445.78	-	-
1965	I	281.71	346.09	384.61	386.42	373.00	316.55	-	-
	II	284.87	365.27	386.13	413.35	360.47	452.01	-	-
	IV	300.59	346.62	409.29	415.66	378.83	382.39	-	-
1966	I	263.88	288.87	391.29	402.61	391.14	399.53	-	-
	II	272.27	300.80	482.53	358.22	333.17	324.93	-	-
	IV	338.48	383.29	408.40	472.40	395.12	306.03	-	-
1967	I	318.34	386.88	421.42	439.62	430.42	415.12	-	-
	II	278.92	315.16	403.70	437.29	391.23	364.67	-	-
	IV	307.06	410.07	-	314.47	468.80	486.16	-	-
1968	II	289.51	315.46	354.62	398.96	457.59	463.20	-	-
	IV	269.34	296.98	385.50	431.46	490.63	456.28	-	-

Table 27 : Quarterly average prices of teak logs of Trade Quality II at the Nasik depot during 1958-1968 for the length class 2.0-2.9 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over.

(Average price in Rs. m³)

Year and Quarter	Girth classes in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 and over
1958 II	218.24	-	157.50	319.60	-	-	-	-
IV	211.89	240.14	272.63	293.82	290.64	-	-	-
1959 I	313.59	321.72	342.91	-	-	-	-	-
IV	-	327.37	353.50	346.08	-	541.02	541.02	541.02
1960 I	242.26	278.28	-	-	-	-	-	-
II	214.71	291.70	297.35	336.55	327.72	318.54	385.99	-
IV	172.34	229.90	319.60	353.50	349.26	345.02	369.74	-
1962 II	158.56	245.44	232.37	319.60	258.50	294.17	301.23	266.27
IV	228.13	266.27	309.01	317.66	359.68	379.99	325.43	378.22
1963 I	244.73	277.22	328.43	-	-	283.93	323.84	-
II	135.44	280.58	324.07	348.78	-	-	-	-
IV	137.35	210.41	290.25	264.89	296.86	293.11	347.22	-
1964 I	144.38	193.31	244.23	240.61	306.31	-	-	294.41
II	145.06	211.96	231.84	273.17	294.18	317.37	151.44	223.41
IV	238.27	385.21	282.38	356.53	419.13	316.47	326.25	212.22
1965 I	242.04	276.15	302.46	331.49	303.45	260.05	-	-
II	253.45	287.69	282.54	302.06	354.25	402.92	-	-
IV	239.01	284.74	311.80	353.62	325.02	332.47	-	-
1966 I	207.19	263.61	308.61	300.55	295.66	330.61	-	-
II	186.60	263.80	299.03	321.62	271.24	280.83	-	-
IV	195.99	265.00	369.86	357.84	348.55	334.92	-	-
1967 I	259.94	315.09	375.12	388.46	376.58	390.65	-	-
II	298.33	297.85	331.52	375.44	354.26	358.45	-	-
IV	228.95	302.37	-	-	384.61	625.00	-	-
1968 II	-	-	-	-	424.42	427.69	-	-
IV	207.95	259.60	338.54	338.54	381.74	414.91	-	-

Table 26 : Quarterly average prices of teak logs at Trade Quality II at the Nasik depot during 1958-1968, for the length class under 2 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 and over
1958 II	-	211.89	246.14	254.97	-	-	-	-
IV	-	-	-	-	-	-	209.06	-
1959 I	281.46	278.63	324.19	-	-	-	-	-
IV	-	288.17	334.08	-	-	230.60	230.60	230.60
1960 II	120.42	169.16	196.35	257.09	288.87	-	-	-
IV	133.14	196.35	230.60	300.53	298.06	358.80	-	-
1962 II	145.50	192.47	264.15	272.98	237.67	210.12	272.98	247.20
IV	166.33	247.73	248.26	277.22	299.47	294.17	310.06	240.49
1963 I	165.27	211.18	-	283.22	-	-	225.66	218.60
II	164.34	253.94	256.20	-	-	-	-	-
IV	124.07	156.36	180.13	229.76	-	258.78	284.55	-
1964 I	193.19	137.67	168.49	168.81	232.24	259.97	219.15	302.01
II	101.43	141.91	176.09	190.89	-	-	-	-
IV	245.15	236.82	387.68	309.81	384.99	306.45	236.66	260.35
1965 I	200.75	233.00	228.31	215.14	239.67	228.55	-	-
II	179.97	195.78	246.89	219.36	271.24	-	-	-
IV	172.50	209.02	251.59	160.70	272.08	264.98	-	-
1966 I	159.87	208.62	235.59	-	-	259.57	-	-
II	152.31	183.39	242.53	254.98	207.74	213.67	-	-
IV	156.40	181.20	285.20	295.12	345.04	281.80	-	-
1967 I	205.60	238.65	290.87	318.74	-	306.48	-	-
II	143.40	239.87	234.56	275.04	285.83	276.47	-	-
IV	184.65	250.06	-	-	-	432.67	-	-

Table 25 : Quarterly average prices of teak logs of Trade Quality II at the Ballarshah depot during 1958-1968 for the length class 8.0-9.9 m. and the different girth classes.

(Average price in Rs. per m³)

Girth 60.0-74.9 cm.			Girth 105.0-119.9 cm.		
1959	I	385.64	1959	II	485.58
1964	IV	373.91	1961	I	635.66
1967	II	383.92	1964	IV	511.03
1968	I	352.47	1965	II	644.70
Girth 75.0-89.9 cm.			1967	I	623.12
1959	II	413.89		II	527.60
1964	IV	428.77	Girth 120.0-134.9 cm.		
1965	I	401.00	1967	I	1132.50
	II	503.86		IV	542.82
1967	I	582.43	Girth 135.0-149.9 cm.		
	II	397.08	1964	IV	513.51
1968	II	384.09	1967	II	743.49
	IV	264.40	1968	I	719.07
Girth 90.0-104.9 cm.				II	453.23
1959	II	461.56			
1961	I	468.27			
1964	I	365.43			
	IV	511.03			
1965	II	533.01			
1967	I	489.75			
	II	515.09			
	IV	469.14			
1968	II	528.17			

Table 37 : Quarterly average prices of teak logs of Trade Quality II at the Paratwada depot during 1958-1968, for the length class 6.0-7.9 m. and the girth classes 45.0-59.9 to 150.0 cms. and over

Year and Quarter	(Average price in Rs. per m ³)							
	Girth classes in cm							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	140.55	-	-	361.98	406.83	-	451.32	-
IV	259.21	258.50	339.37	349.26	397.64	355.97	-	-
1959 I	250.38	266.63	325.60	348.56	354.21	361.62	381.40	-
II	230.96	305.12	327.72	391.64	218.60	373.63	-	-
IV	-	354.91	-	392.35	-	-	-	-
1960 I	265.57	409.65	373.63	416.36	465.09	437.90	425.54	501.83
II	278.99	363.39	426.95	311.12	421.66	550.91	450.26	-
IV	266.27	368.33	423.78	414.24	490.87	465.80	470.74	551.62
1961 I	239.08	316.07	343.26	456.97	351.03	452.38	-	491.93
1963 I	248.62	-	-	-	-	-	-	-
1964 I	325.40	427.23	-	-	-	-	-	-
II	-	-	-	439.36	361.08	418.91	469.77	454.21
IV	335.56	451.09	433.86	-	702.48	546.27	-	-
1965 I	384.11	439.20	488.41	-	-	546.89	-	-
II	414.36	478.06	-	-	510.37	501.60	-	752.57
IV	376.55	398.14	479.69	469.17	538.82	562.90	-	-
1966 I	371.36	426.44	428.98	416.22	550.28	-	-	-
II	391.18	417.10	420.92	362.22	558.55	-	446.55	594.64
IV	368.48	364.85	472.49	490.08	578.94	491.44	-	426.72
1967 I	434.88	708.65	513.12	512.00	571.55	-	862.86	429.37
II	299.73	397.62	428.39	439.46	462.70	-	-	-
IV	329.35	-	370.36	531.42	484.27	570.02	570.02	-
1968 I	282.61	387.29	423.39	510.38	562.06	-	-	-
II	-	445.78	419.37	-	-	-	-	-
IV	300.39	310.07	-	564.27	-	570.16	-	-

Table 38 : Quarterly average prices of teak logs of Trade Quality III at the Ballarshah depot during 1958-1968 for the length class under 2.0 m. and the different girth classes.

(Average price in Rs. per m³)

Length under 2.0 m.

Girth 60.0-74.9 cm .

1959 IV 277.22

1968 I 205.34

Girth 75.0-89.9 cm .

1959 IV 265.21

1968 I 224.93

Girth 90.0-104.9 cm .

1959 IV 335.84

1968 I 213.90

Girth 105.0-119.9 cm .

1968 I 286.30

IV 334.44

Girth 120.0-134.9 cm .

1959 IV 355.27

1968 I 339.99

II 397.64

Girth 135.0-149.9 cm .

1968 I 365.97

Girth 150.0 cm. and over

1968 I 412.07

Table 39 : Quarterly average prices of teak logs of Trade Quality III at the Ballarshah depot during 1958-1968 for the length class 2.0-2.9 m. and the different girth classes

(Average price in Rs. per m³)

Length 2.0-2.9 m.

Girth 60.0-74.9 cm .

1959	IV	277.22
1967	II	231.12
1968	I	218.65
	II	161.44
	IV	138.13

Girth 75.0-89.9 cm .

1959	IV	265.21
1968	I	256.77
	II	211.08
	IV	212.38

Girth 90.0-104.9 cm .

1959	IV	335.84
1968	I	271.50
	II	304.50
	IV	235.22

Girth 105.0-119.9 cm .

1968	I	322.43
	IV	279.61

Girth 120.0-134.9 cm .

1959	IV	355.27
1968	I	354.90
	IV	279.64

Girth 135.0-149.9 cm .

1968	I	391.36
	II	378.34
	IV	449.82

Girth 150.0 cm. and over

1968	I	430.78
	II	426.44
	IV	401.37

Table 40 : Quarterly average prices of teak logs of Trade Quality III at the Ballarshah depot during 1958-1968 for the length class 3.0-3.9 m. and the different girth classes.

(Average price in Rs. per m³)

Length 3.0-3.9 m.

Girth 60.0-74.9 cm .

1959 IV 277.22

1968 I 237.12

II 191.55

IV 157.66

Girth 75.0-89.9 cm .

1968 I 274.94

II 223.00

Girth 90.0-104.9 cm .

1968 I 346.93

II 298.02

Girth 105.0-119.9 cm .

1968 I 362.23

II 267.88

IV 301.49

Girth 120.0-134.9 cm .

1968 I 365.47

IV 422.65

Girth 135.0-149.9 cm .

1959 IV 353.15

1968 I 405.68

Girth 150.0 cm. and over

1968 I 504.51

II 418.85

IV 320.66

Table 41 : Quarterly average prices of teak logs of Trade Quality III at the Ballarshah depot during 1958-1968 for the length class 4.0-5.9 m. and the different girth classes.

(Average price in Rs. per m³)

Length 4.0-5.9 m.

Girth 60.0-74.9 cm .

1959 IV 311.83

1968 I 252.98

II 205.58

Girth 75.0-89.9 cm .

1967 II 292.61

1968 I 256.61

II 245.00

Girth 90.0-104.9 cm .

1968 I 325.01

II 199.70

Girth 105.0-119.9 cm .

1959 IV 325.95

1967 II 367.30

1968 I 383.28

II 351.00

Girth 120.0-134.9 cm .

1968 I 443.84

II 423.19

IV 390.93

Girth 135.0-149.9 cm .

1959 IV 353.15

1967 II 386.60

1968 II 401.07

IV 412.37

Girth 150.0 cm. and over

1959 IV 490.52

1967 II 433.48

1968 I 465.70

II 570.98

Table 42 : Quarterly average prices of teak logs of Trade Quality III at the Nasik depot during 1958-1968 for the length class under 2.0 m. and the different girth classes.

(Average price in Rs. per m³)

<u>Length under 2.0 m.</u>		<u>Girth 105.0-119.9 cm .</u>	
Girth 45.0-59.9 cm .		1965 II	176.23
1959 I	200.94	IV	233.17
1965 I	137.36	1966 I	178.78
II	74.02	II	128.61
1966 IV	110.93	IV	190.83
1967 IV	237.41	1967 II	187.18
Girth 60.0-74.9 cm .		Girth 120.0-134.9 cm .	
1965 I	126.10	1959 IV	298.76
II	129.21	1965 I	219.51
IV	158.46	II	165.51
1966 IV	95.91	IV	190.85
1967 IV	315.25	1966 I	206.32
Girth 75.0-89.9 cm .		II	145.29
1965 I	112.19	IV	250.23
II	96.62	1967 I	223.95
IV	184.31	II	217.04
1966 I	176.48	IV	226.09
IV	197.90	Girth 135.0-149.9 cm .	
1967 II	129.32	1959 IV	298.76
IV	383.27	Girth 150.0 cm. and over	
Girth 90.0-104.9 cm .		1959 IV	298.76
1959 I	264.15		
IV	340.79		
1965 I	129.80		
II	116.62		
IV	105.30		
1966 I	192.67		
IV	248.80		
1967 II	161.85		
IV	215.43		

Table 43 : Quarterly average prices of teak logs of Trade Quality III at the Nasik depot during 1958-1968 for the length class 2.0-2.9 m. and the different girth classes
(Average price in Rs. per m³)

Length 2.0-2.9 m.

Girth 45.0-59.9 cm. .

1958	II	158.92
	IV	120.42
1959	I	275.45
1965	I	107.48
	II	104.63
	IV	105.00
1966	IV	100.44
1967	I	114.14
	IV	207.02

Girth 60.0-74.9 cm. .

1958	I	226.01
	IV	181.87
1965	I	133.46
	II	109.46
	IV	148.23
1966	IV	121.91
1967	I	197.94
	II	179.43
	IV	315.25

Girth 75.0-89.9 cm. .

1958	IV	173.40
1965	II	138.03
	IV	241.42
1966	I	203.21
	IV	229.80
1967	II	220.29
	IV	383.27

Girth 90.0-104.9 cm. .

1958	IV	224.95
1959	I	338.67
1965	I	180.24
	II	134.85
	IV	177.03
1966	I	188.87
	IV	235.48
1967	II	186.77
	IV	220.58

Girth 105.0-119.9 cm. .

1965	II	200.26
	IV	253.95
1966	I	219.12
	II	166.61
	IV	230.52
1967	II	235.19

Girth 120.0-134.9 cm. .

1965	I	190.76
	II	207.00
	IV	211.46
1966	I	241.56
	II	157.71
	IV	318.59
1967	II	223.27
	IV	410.61

Table 44 : Quarterly average prices of teak logs of Trade Quality III at the Nasik depot during 1958-1968 for the length class 3.0-3.9 m. and the different girth classes

(Average price in Rs. per m³)

Length 3.0-3.9 m.

Girth 45.0-59.9 cm .

			1967	II	217.89
1958	II	188.23		IV	383.27
	IV	145.85			
1959	I	308.65			
	IV	232.72			
1965	I	167.26			
	II	82.90			
	IV	141.25			
1966	I	211.83			
	IV	160.03			
1967	II	139.92			
	IV	382.09			

Girth 60.0-74.9 cm .

1958	I	227.07			
	II	182.93			
	IV	297.35			
1965	I	196.07			
	II	138.13			
	IV	290.06			
1966	II	141.60			
	IV	173.45			
1967	I	193.35			
	II	223.07			
	IV	472.08			

Girth 75.0-89.9 cm .

1965	I	200.00			
	II	222.25			
	IV	324.59			
1966	I	258.00			
	II	201.81			
	IV	280.96			

Girth 90.0-104.9 cm .

1965	I	228.70			
	II	213.61			
	IV	252.76			
1966	I	240.07			
	II	245.44			
	IV	252.33			
1967	II	255.01			
	IV	292.24			

Girth 105.0-119.9 cm .

1958	IV	284.64			
1965	I	225.03			
	II	238.26			
	IV	227.80			
1966	I	266.51			
	II	226.14			
	IV	241.60			
1967	II	289.19			

Girth 120.0-134.9 cm .

1965	I	223.93			
	II	256.57			
	IV	275.37			
1966	II	255.27			
	IV	318.59			
1967	II	271.58			
	IV	353.14			

Table 45 : Quarterly average prices of teak logs of Trade Quality III at the Nasik depot during 1958-69 for the length class 4.0-5.9 m. and the different girth classes.

(Average price in Rs. per m³)

Length 4.0-5.9 m.

Girth 45.0-59.9 cm .	1966 I	327.11
1958 IV 154.68	II	294.70
1965 I 187.79	IV	269.99
II 121.71	1967 I	365.67
IV 229.29	II	356.71
1966 IV 388.65	IV	307.19
1967 II 176.77		

Girth 105.0-119.9 cm .

Girth 60.0-74.9 cm .	1965 I	318.76
1958 IV 242.97	II	267.00
1965 I 263.15	IV	352.16
II 205.54	1966 I	306.94
IV 298.30	II	310.64
1966 II 158.33	IV	273.46
IV 216.35	1967 I	394.25
1967 I 220.60	II	380.66
II 247.24	IV	337.71
IV 521.57		

Girth 120.0-134.9 cm .

Girth 75.0-89.9 cm .	1965 I	300.08
1965 I 278.44	II	234.61
II 276.96	IV	288.39
IV 424.57	1966 I	285.52
1966 II 235.59	II	279.32
IV 317.75	IV	348.20
1967 I 306.67	1967 II	282.60
II 276.28	IV	363.00
IV 383.27		

Girth 90.0-104.9 cm .

1965 I 245.37		
II 260.95		
IV 306.57		

Table 46 : Quarterly average price of teak logs of Trade Quality III at the Nasik depot during 1958-1968 for the length class 6.0-7.9 m. and the different girth classes.

(Average price in Rs. per m³)

Length 6.0-7.9 m.

Girth 45.0-59.9 cm .	Girth 105.0-119.9 cm .
1965 II 258.89	1965 I 330.04
1966 IV 207.04	II 375.18
Girth 60.0-74.9 cm .	IV 345.00
1965 I 312.99	1966 II 360.34
II 250.65	1967 II 367.19
IV 373.41	IV 474.11
1966 II 259.74	Girth 120.0-134.9 cm .
IV 254.70	1965 II 369.07
1967 I 300.70	1966 I 426.77
Girth 75.0-89.9 cm .	II 329.19
1965 I 356.96	IV 322.27
II 319.42	1967 II 259.16
IV 388.34	
1966 II 302.51	
1967 I 414.39	
II 278.61	
Girth 90.0-104.9 cm .	
1958 IV 273.69	
1965 I 383.75	
II 382.02	
IV 359.05	
1966 I 393.35	
II 361.06	
IV 509.61	
1967 I 415.65	
II 384.33	

Table 47 : Quarterly average prices of teak logs of Trade Quality III at the Paratwada depot during 1958-1968 for the length class under 2.0 m. and the girth classes 45.0-59.9 cm to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth class in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	56.50	79.81	91.82	141.61	110.54	126.07	136.67	155.74
IV	77.69	92.17	106.65	119.01	145.85	159.62	162.80	155.74
1959 I	84.76	113.01	117.60	191.76	199.17	210.12	221.07	-
II	123.25	129.25	134.55	197.76	303.35	196.35	217.19	174.10
IV	107.00	138.79	155.03	205.88	201.29	193.17	178.34	229.55
1960 I	99.94	134.90	183.64	214.36	257.09	254.62	385.64	353.15
II	80.16	112.30	113.71	118.66	163.15	202.00	214.71	240.49
IV	113.71	186.46	117.95	117.60	145.85	141.26	209.77	173.40
1961 I	93.58	137.02	189.64	191.76	221.42	224.60	260.62	256.74
II	86.17	144.79	143.73	137.73	194.23	286.05	148.32	358.09
1963 I	133.49	162.80	170.92	234.14	240.17	234.14	268.04	298.76
II	99.06	126.25	167.75	212.11	227.26	210.84	259.22	285.00
IV	138.08	183.64	209.77	271.92	236.26	264.86	169.86	-
1964 I	114.87	154.58	167.03	194.21	225.41	-	299.69	-
II	136.95	164.18	181.48	198.19	229.43	-	-	-
IV	158.23	-	152.87	278.78	-	362.50	314.98	-
1965 I	136.71	205.51	-	-	-	-	-	-
II	198.17	190.87	244.58	287.70	-	321.68	328.06	433.68
IV	-	-	184.34	-	-	260.71	264.49	311.07
1966 I	236.40	122.64	251.88	293.97	301.82	312.32	-	-
II	216.15	344.84	239.09	373.34	473.52	270.02	460.00	-
IV	188.35	211.59	291.71	311.22	392.05	382.54	402.33	465.51
1967 I	159.29	158.76	215.29	214.76	237.14	273.89	270.80	339.28
II	308.04	160.06	193.41	280.85	308.18	285.66	301.86	297.14
IV	224.26	208.65	348.54	453.52	-	409.81	-	429.45
1968 I	137.78	217.23	228.75	276.85	259.69	260.94	282.18	340.41
II	168.65	215.93	242.52	235.79	334.36	337.37	313.32	397.56
IV	157.17	205.74	242.52	313.98	388.82	349.51	325.91	342.91

Table 48 : Quarterly average prices of teak logs of Trade Quality III at the Paratwada depot during 1958-1968, for the length class 2.0-2.9 m. and the girth classes 45.0-59.9 cm to 150.0 cm. and over.

(Average price in-Rs. per m³)

Year and Quarter	Girth class in cm.							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	92.17	87.93	147.26	178.69	206.94	184.34	212.59	227.78
IV	85.11	122.90	127.60	170.92	174.10	185.76	244.02	224.60
1959 I	93.94	135.61	167.39	218.24	241.55	270.51	272.28	252.85
II	236.61	141.26	165.63	204.12	233.78	247.91	248.97	234.49
IV	121.13	163.51	203.06	229.90	278.28	288.87	244.38	280.75
1960 I	149.73	160.33	196.35	226.01	261.68	254.62	323.48	351.73
II	61.45	117.24	153.27	192.47	222.13	275.10	212.24	277.22
IV	106.65	1121.13	161.04	151.85	213.65	220.36	216.83	217.89
1961 I	118.66	152.56	223.90	224.60	274.40	273.69	275.10	210.83
II	95.35	148.32	201.29	271.92	243.67	286.05	222.48	377.87
1963 I	126.43	182.93	189.64	187.17	289.58	254.97	314.65	347.14
II	121.31	144.62	198.48	218.43	254.98	283.59	289.06	388.83
IV	163.15	161.04	173.04	248.97	343.61	282.87	-	-
1964 I	143.53	154.59	203.57	235.00	316.56	303.20	-	-
II	144.46	166.69	227.42	272.32	325.81	-	-	-
IV	174.41	289.16	276.78	304.94	343.31	467.29	-	-
1965 I	173.20	203.22	316.40	293.65	293.41	374.10	462.59	-
II	169.95	230.67	300.54	332.30	386.10	381.48	403.79	457.26
IV	154.58	210.40	262.40	296.76	382.92	346.22	385.19	348.99
1966 I	149.93	239.31	340.86	245.11	385.91	377.03	313.14	413.62
II	257.80	451.08	667.63	252.24	434.43	698.03	384.42	609.78
IV	204.47	287.77	371.32	407.17	441.65	465.16	494.50	490.39
1967 I	165.95	221.78	288.82	271.68	367.10	383.38	399.36	328.82
II	194.88	241.50	307.49	273.91	321.54	261.58	374.47	412.55
IV	200.74	376.55	239.79	430.12	449.45	318.18	436.73	394.27
1968 I	206.03	223.58	307.42	344.68	372.08	351.96	368.48	368.70
II	171.93	253.31	297.73	397.24	370.28	413.29	359.91	388.02
IV	223.98	228.34	308.65	333.77	343.44	401.32	409.45	451.81

Table 49 : Quarterly average prices of teak logs of Trade Quality III at the Paratwada depot during 1958-1968, for the length class 3.0-3.9 m. and the girth classes 45.0-59.9 cm. to 150.0 cm. and over

(Average price in Rs. per m³)

Year and Quarter	Girth class in cm .							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	104.94	141.97	157.15	206.24	220.01	278.63	241.20	272.98
IV	98.17	128.55	186.81	194.23	244.38	232.37	242.96	222.84
1959 I	122.19	141.26	208.71	228.49	269.45	289.23	290.29	352.09
II	134.90	150.79	214.71	230.25	268.39	267.69	240.85	280.40
IV	162.80	228.49	241.91	269.45	278.99	313.95	289.93	311.48
1960 I	155.38	182.22	220.36	345.38	291.70	365.15	333.02	376.81
II	100.29	159.27	198.12	187.87	287.46	297.70	347.85	317.83
IV	144.44	153.62	181.16	259.56	297.70	322.42	348.20	348.91
1961 I	117.95	179.05	232.72	230.60	316.77	285.34	314.30	373.28
II	108.06	195.29	257.80	267.33	303.71	355.27	246.50	349.62
1963 I	145.85	178.34	216.83	250.38	306.88	348.56	378.22	322.07
II	126.27	130.14	216.49	263.64	317.50	315.02	295.42	392.36
IV	208.71	222.48	262.74	286.05	334.43	311.12	423.07	-
1964 I	133.92	191.39	232.93	272.67	259.30	367.82	-	278.74
II	163.53	211.46	272.53	297.99	328.43	387.79	363.24	625.46
IV	206.53	218.94	340.72	353.47	342.90	324.79	-	-
1965 I	173.73	254.21	282.72	325.28	311.67	325.11	397.24	-
II	206.75	278.88	324.93	362.27	416.33	434.09	453.82	-
IV	207.76	282.00	326.48	369.55	423.87	389.60	398.89	401.67
1966 I	186.10	277.57	293.94	337.90	372.74	502.64	456.13	542.03
II	326.71	484.50	518.90	540.01	505.32	466.12	446.11	522.33
IV	245.95	358.11	391.41	431.18	464.76	537.49	608.03	587.84
1967 I	254.96	253.57	341.01	355.51	370.04	318.82	398.82	500.83
II	246.02	273.47	289.70	334.52	363.51	340.61	363.55	359.45
IV	213.04	217.33	291.74	377.35	356.52	443.92	417.26	360.24
1968 I	198.12	292.88	322.10	381.00	417.70	417.86	442.01	281.58
II	172.85	246.57	321.38	359.67	411.86	588.24	403.47	361.39
IV	199.47	250.95	351.41	366.30	387.39	465.98	546.33	433.33

Table 50 : Quarterly average prices of teak logs of Trade Quality III at the Paratwada depot during 1958-1968, for the length class 4.0-5.9 m. and the girth classes 45.0-59.9 cm. to 150.0 cm and over

(Average prices in Rs. per m³)

Year and Quarter	Girth classes in cm .							
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9	150.0 & over
1958 II	131.02	131.37	176.57	-	246.50	282.16	239.43	336.55
IV	121.84	191.76	170.22	250.03	277.22	245.44	277.22	217.54
1959 I	162.80	157.50	238.37	254.27	284.64	293.11	316.77	369.74
II	164.92	194.94	296.29	247.56	280.05	341.14	321.36	374.69
IV	204.47	202.35	181.16	236.61	372.57	308.30	-	-
1960 I	175.87	214.71	257.44	322.42	313.59	306.53	321.72	378.93
II	139.49	182.22	269.45	240.14	346.08	320.30	373.98	394.47
IV	167.39	162.45	209.42	302.65	373.28	379.63	246.14	355.27
1961 I	151.85	242.97	327.01	300.88	311.48	350.32	469.69	377.16
II	187.17	254.27	318.54	197.76	307.24	391.64	331.96	-
1963 I	202.71	234.49	276.16	292.76	348.20	307.59	418.13	561.15
II	170.93	192.68	283.85	309.25	393.42	417.61	438.62	459.46
IV	287.46	245.79	292.05	327.37	391.64	388.81	395.52	-
1964 I	143.21	243.44	251.47	345.71	327.02	287.53	-	-
II	255.21	255.36	288.39	315.26	314.74	370.22	347.05	341.76
IV	207.07	267.91	308.13	374.44	394.05	467.03	469.58	-
1965 I	200.26	285.78	393.13	434.30	406.69	401.33	554.29	508.42
II	243.59	312.01	346.50	403.65	400.51	476.23	467.95	-
IV	223.99	-	341.02	-	-	-	455.42	579.45
1966 I	216.66	301.54	337.57	398.06	-	466.91	-	500.62
II	434.22	309.95	481.36	445.26	413.22	494.72	573.45	560.00
IV	283.40	393.24	435.49	492.04	460.50	499.95	576.50	562.99
1967 I	205.78	316.97	368.66	314.82	428.00	449.46	422.66	535.34
II	251.26	304.20	319.37	443.61	375.60	303.52	614.96	440.52
IV	241.83	344.63	356.65	549.42	432.83	432.62	319.67	-
1968 I	269.82	252.92	344.49	-	370.71	438.73	415.62	-
II	238.51	322.52	341.22	455.93	-	588.86	436.41	369.68
IV	205.52	241.34	399.00	466.74	-	459.08	-	305.22

Table 51 : Quarterly average prices of teak logs of Trade Quality III at the Paratwada depot during 1958-1968 for the length class 6.0-7.9 m. and the girth classes 45.0-59.9 cm . to 135.0-149.9 cm .

(Average price in Rs. per m³)

Year and Quarter	Girth classes in cm .						
	45.0-59.9	60.0-74.9	75.0-89.9	90.0-104.9	105.0-119.9	120.0-134.9	135.0-149.9
1958 II	75.57	111.59	-	-	294.17	262.04	-
IV	-	-	-	-	284.64	-	-
1959 I	180.81	168.10	-	-	-	-	-
II	160.33	128.90	222.84	227.07	-	305.47	348.91
IV	163.51	-	-	-	-	-	-
1960 I	164.21	223.90	227.78	278.63	251.09	-	-
II	185.76	198.12	296.29	-	-	359.86	-
IV	176.57	146.91	-	-	-	-	340.43
1961 I	223.54	-	-	243.32	-	-	546.65
II	-	-	-	-	-	-	116.00
IV	-	-	-	-	-	-	642.60
1964 I	270.22	-	-	-	-	-	-
II	-	-	-	-	350.60	-	-
IV	261.09	342.79	-	-	-	-	-
1965 I	370.16	340.68	444.44	-	-	-	-
II	255.90	-	-	-	-	-	-
IV	234.67	259.41	-	-	-	-	-
1966 I	312.89	298.63	403.22	504.15	462.50	472.38	-
II	258.25	321.36	-	-	558.50	-	-
IV	334.69	374.27	454.64	510.39	823.01	633.33	-
1967 I	243.80	434.36	738.45	-	-	402.01	-
II	272.80	187.47	478.15	-	358.20	-	497.85
IV	231.15	225.85	-	503.26	-	482.39	476.54
1968 I	410.96	-	-	280.11	-	-	-
II	-	400.00	-	-	-	-	-
IV	161.76	451.49	-	-	-	-	-

Table 52 : Quarterly average prices of teak poles of Class I at the Ballarshah depot during 1958-1968, for the length classes 2.0-2.9/ to 6.0-6.9 m. and the different girth classes.

(Average price in Rs. per m³)

Length 2.0-2.9 m.

Girth 35.0-39.9 cm .

1965 I 75.54

Length 4.0-5.9 m.

Girth 25.0-29.9 cm .

1965 I 50.60

Girth 35.0-39.9 cm .

1965 I 93.74

Length 6.0-7.9 m.

Girth 35.0-39.9 cm .

1965 I 86.47

Girth 40.0-44.9 cm .

1958 IV 529.72

1959 I 360.56

II 470.74

1963 I 476.75

II 636.16

1964 II 236.49

IV 219.22

1965 I 262.07

II 232.90

IV 186.61

1966 I 196.18

1967 II 216.34

IV 104.55

1968 I 197.70

II 274.18

IV 302.58

Table 53 : Quarterly average prices of teak poles of Class I at the Nasik depot during 1958-1968, for the length classes under 2.0 m. to 8,0-9.9 m. and the different girth classes.

(Average price in Rs. per m³)

<u>Length under 2.0 m.</u>			
Girth 35.0-39.9 cm .		Girth 25.0-29.9 cm .	
1963 II	114.63	1966 IV	278.19
1966 IV	157.06	Girth 30.0-34.9 cm .	
<u>Length 2.0-2.9 m.</u>		1962 IV	282.52
Girth 35.0-39.9 cm .		Girth 35.0-39.9 cm .	
1966 IV	143.83	1958 IV	287.81
1967 IV	228.34	1965 IV	747.12
Girth 40.0-44.9 cm .		1966 IV	222.41
1960 II	156.09	1967 II	291.81
IV	176.57	IV	213.21
1962 IV	204.82	Girth 40.0-44.9 cm .	
<u>Length 3.0-3.9 m.</u>		1960 IV	315.71
Girth 30.0-34.9 cm .		1962 IV	311.30
1962 IV	280.40	<u>Length 6.0-7.9 m.</u>	
Girth 35.0-39.9 cm .		Girth 35.0-39.9 cm .	
1958 IV	218.95	1958 IV	325.95
1965 I	358.09	1967 IV	435.05
IV	337.66	Girth 40.0-44.9 cm .	
1966 II	216.15	1962 II	248.97
1967 IV	255.99	IV	334.78
Girth 40.0-44.9 cm .		<u>Length 8.0-9.9 m.</u>	
1960 I	234.49	Girth 35.0-39.9 cm .	
II	187.17	1967 IV	414.59
IV	274.04	Girth 40.0-44.9 cm .	
1962 II	201.65	1960 IV	274.04
IV	259.92		
<u>Length 4.0-5.9 m.</u>			
Girth under 25.0 cm .			
1963 IV	322.91		

Table 54 : Quarterly average prices of teak poles of Class I at the Paratwada depot during 1958-1968, for the length classes 2.0-2.9 m. to 4.0-5.9 m. and the girth classes 25.0-29.9 cm, 30.0-34.9 cm. and 40.0-44.9 cm.

(Average price in Rs. per m³)

Year and Quarter	Length 2.0 - 2.9 m.			Length 3.0 - 3.9 m.			Length 4.0 - 5.9 m.		
	Girth class in cm.								
	25.0-29.9	30.0-34.9	40.0-44.9	25.0-29.9	30.0-34.9	40.0-44.9	25.0-29.9	30.0-34.9	40.0-44.9
1958 II	61.45	60.74	96.06	111.59	141.26	203.77	136.31	152.91	259.92
IV	-	-	97.12	118.66	156.44	219.65	126.07	207.30	293.47
1959 I	101.00	102.77	167.74	138.79	229.55	252.85	198.47	279.69	283.22
II	-	128.19	190.70	156.44	231.66	319.24	209.77	259.56	353.15
1960 I	-	157.86	-	152.56	240.49	-	200.59	312.54	473.92
II	-	-	-	-	220.72	-	-	-	467.92
IV	-	-	-	142.32	245.08	250.73	137.02	239.43	529.72
1963 I	-	174.45	203.41	160.68	257.09	341.49	-	-	399.76
II	-	101.09	164.04	156.45	190.18	275.46	207.66	318.20	465.82
IV	-	95.70	183.99	194.23	186.46	281.46	-	-	398.35
1964 I	-	155.44	-	-	-	-	150.86	-	-
II	-	226.63	157.78	263.16	306.03	165.99	277.50	-	202.74
IV	-	393.52	163.01	238.10	176.43	234.06	232.77	225.44	245.17
1965 I	-	222.64	147.05	-	270.95	177.82	299.92	268.40	215.62
II	-	126.13	135.41	-	243.08	212.66	206.19	228.64	211.99
IV	317.80	142.86	124.28	184.05	201.44	152.31	141.39	176.24	177.44
1966 I	-	296.21	169.66	262.24	199.21	211.66	201.80	188.34	203.61
1967 I	-	268.40	-	241.94	-	185.94	164.31	183.13	-
II	204.78	263.75	159.24	317.82	277.03	211.99	277.72	213.92	235.11
IV	465.16	386.74	210.45	466.05	312.41	226.53	318.52	169.20	192.51
1968 I	319.33	200.13	195.25	251.97	230.67	230.44	211.91	207.85	230.79
II	307.42	260.89	189.17	364.51	292.42	253.60	324.71	261.36	237.86
IV	-	171.43	183.76	341.79	268.97	217.92	307.47	250.82	228.58

Table 55 : Quarterly average prices of teak poles of Class I at the Paratwada depot during 1958-1968, for the length classes under 2.0 m. to 6.0-7.9 m. and the different girth classes

(Average price in Rs. per m³)

Length under 2.0 m.

Girth under 25.0 cm .

1966 II 178.16

Girth 30.0-34.4 cm .

1958 IV 32.84

1963 I 88.29

1965 II 150.09

1966 II 110.98

Girth 40.0-44.9 cm .

1958 IV 38.85

1959 I 42.02

1963 II 95.00

IV 83.34

1964 II 103.17

1965 I 155.64

II 147.69

IV 56.23

1966 II 124.40

1968 I 205.28

II 154.06

IV 147.28

Length 2.0-2.9 m.

Girth under 25.0 cm .

1964 II 299.15

1965 IV 142.86

1968 II 489.56

Girth 35.0-39.9 cms.

1968 II 227.27

Length 3.0-3.9 m.

Girth under 25.0 cm .

1958 II 59.68

1959 I 74.16

1963 II 129.96

1964 II 276.64

IV 243.31

1965 IV 224.55

1966 I 408.42

1967 II 240.95

1968 I 281.86

II 360.49

IV 416.09

Girth 35.0-39.9 cm .

1966 I 215.97

1967 IV 212.73

1968 II 258.40

Length 4.0-5.9 m.

Girth under 25.0 cm .

1958 II 76.63

1963 II 176.58

1964 II 265.69

IV 284.15

1965 IV 198.31

1966 I 216.05

1967 I 210.53

II 314.17

IV 315.35

1968 I 227.25

II 307.31

IV 290.95

contd

Table 55 : (contd.)

Girth 35.0-39.9 cm .		Girth 30.0-34.9 cm .	
1966	I 178.81	1960	II 467.57
1968	II 263.85	1963	II 459.64
<u>Length 6.0-7.9 m.</u>		1964	II 409.60
Girth under 25.0 cm .		1966	I 271.83
1964	II 340.91		IV 400.65
1968	I 294.99	1967	II 256.79
Girth 25.0-29.9 cm .			IV 184.24
1960	I 205.88	1968	I 308.64
	IV 353.15		II 258.22
1963	II 441.25		IV 271.00
1965	IV 188.68	Girth 35.0-39.9 cm .	
1967	II 202.47	1968	II 375.16
1968	I 262.39		

Table 56 : Quarterly average prices of teak poles of Class II, at the Nasik depot during 1958-1968, for the length classes under 2.0 m. and 2.0-2.9 m. and the girth classes under 25.0 cm. to 40.0-44.9 cm .

(Average price in Rs. per m³)

<u>Length under 2.0 m.</u>			
Girth under 25.0 cm .	1964	I	150.19
1964 IV 187.50	1966	IV	121.06
Girth 25.0-29.9 cm .	1967	IV	129.95
1966 IV 198.30	Girth 30.0-34.9 cm .		
Girth 30.0-34.9 cm .	1959	IV	144.79
1960 IV 108.06	1960	II	125.37
1962 IV 106.30		IV	158.56
1963 I 132.08	1961	I	116.54
Girth 35.0-39.9 cm.	1962	II	83.70
1963 IV 74.69		IV	153.50
1964 I 64.93	Girth 35.0-39.9 cm .		
IV 95.77	1963	IV	113.93
1965 I 160.08	1964	I	99.08
IV 117.85		II	100.00
1966 IV 96.87		IV	149.00
1967 IV 132.71	1965	I	174.82
Girth 40.0-44.9 cm .		II	176.01
1958 IV 109.12		IV	144.89
1959 I 127.84	1966	IV	107.84
1960 II 110.18	1967	II	159.20
IV 133.84		IV	212.45
1962 IV 132.26	Girth 40.0-44.9 cm .		
<u>Length 2.0-2.9 m.</u>	1958	II	165.63
Girth under 25.0 cm .		IV	146.56
1964 I 87.67	1959	I	160.33
Girth 25.0-29.9 cm .	1960	I	126.07
1960 II 143.02		II	153.27
IV 128.55	1961	I	142.67
1961 I 128.90	1962	II	152.91
1963 I 88.64		IV	166.69
IV 98.78	1963	I	243.67

Table 57 : Quarterly average prices of teak poles of Class II at the Nasik depot during 1958-1968, for the length class 3.0-3.9 m. and the girth classes 25.0-29.9 cm to 40.0-44.9 cm .

(Average price in Rs. per m³)

<u>Length 3.0-3.9 m.</u>				
Girth 25.0-29.9 cm .		1965 I	162.01	
1960	II	184.70	199.63	
	IV	186.81	179.60	
1962	IV	146.91	1966 I	
1963	I	118.30	131.96	
1964	I	171.66	194.59	
	II	206.08	Girth 40.0-44.9 cm .	
1965	IV	183.82	1960 I	170.92
1966	IV	203.15	II	264.86
1967	IV	129.95	IV	179.05
Girth 30.0-34.9 cm .		1962 IV	170.10	
1959	IV	186.81	1963 I	174.45
1960	II	180.46		
	IV	215.77		
1962	II	122.19		
	IV	167.04		
Girth 35.0-39.9 cm .				
1958	II	185.05		
	IV	164.57		
1963	IV	142.17		
1964	I	118.75		
	II	96.62		
	IV	198.28		

Table 58 : Quarterly average prices for teak poles
of Class I at the Nasik depot during 1958-1968, for
the length classes 4.0-5.9 m. to 10.0 m. and over and
the girth classes under 25.0 cm. to 40.0-44.9 cm.
(Average price in Rs. per m³)

<u>Length 4.0-5.9 m.</u>			<u>Length 6.0-7.9 m.</u>		
Girth under 25.0 cm . . .			Girth under 25.0 cm . . .		
1963	IV	286.56	1964	IV	503.00
1964	I	342.92	Girth 25.0-29.9 cm . . .		
	IV	350.60	1963	IV	201.61
Girth 25.0-29.9 cm . . .			1964	II	381.40
1960	II	220.01	1966	II	326.23
	IV	243.67		IV	324.78
1962	IV	159.63	Girth 30.0-34.9 cm . . .		
1963	I	184.70	1959	II	222.48
	IV	213.70	1962	IV	306.88
1964	I	234.60	<u>Length 8.0-9.9 m.</u>		
	II	361.34	Girth under 25.0 cm . . .		
1965	IV	223.65	1964	II	278.99
1966	II	295.23	Girth 25.0-29.9 cm . . .		
	IV	304.53	1966	IV	220.58
1967	IV	129.95	Girth 35.0-39.9 cm . . .		
1968	IV	92.07	1958	II	309.71
Girth 30.0-34.9 cm . . .				IV	293.11
1959	IV	271.57	1963	IV	473.59
1960	II	229.56	1964	II	296.33
	IV	217.19	1965	IV	353.14
1962	IV	214.18	1966	IV	273.91
1968	IV	92.07	Girth 40.0-44.9 cm . . .		
Girth 40.0-44.9 cm . . .			1962	IV	363.39
1959	IV	320.66	<u>Length 10.0 m. and over</u>		
1960	II	277.82	Girth 40.0-44.9 cm . . .		
	IV	230.25	1962	II	227.07
1962	II	184.34		IV	353.15
	IV	240.61			
1963	I	209.60			

Table 59 : Quarterly average prices of teak poles of Class II at the Paratwada depot during 1958-1968, for the length classes 2.0-2.9 m. to 4.0-5.9 m. and the girth classes 25.0-29.9, 30.0-34.9 and 40.0-44.9 cm .

(Average price in Rs. per m³)

Year and Quarter	Length 2.0-2.9 m.			Length 3.0-3.9 m.			Length 4.0-5.9 m.		
	Girth Class in cm								
	25.0-29.9	30.0-34.9	40.0-44.9	25.0-29.9	30.0-34.9	40.0-44.9	25.0-29.9	30.0-34.9	40.0-44.9
1958 II	-	57.92	81.93	88.29	123.95	145.14	-	177.63	235.20
IV	55.44	62.86	82.28	88.99	105.94	149.03	108.77	176.57	203.41
1959 I	84.05	104.18	125.37	130.31	189.64	218.60	162.45	236.61	268.94
II	43.79	70.28	104.88	135.26	159.98	211.89	180.46	232.37	306.18
1960 I	88.29	86.52	121.48	118.30	176.93	210.12	173.40	238.73	300.88
II	52.27	54.74	91.82	126.07	144.79	241.20	235.20	243.67	310.77
IV	61.45	77.34	103.47	115.13	157.86	190.35	151.50	205.88	283.22
1961 II	-	-	-	25.07	82.99	119.36	118.66	191.05	264.15
1963 I	50.85	80.52	80.52	88.99	145.14	228.84	204.47	217.54	286.76
II	44.50	60.21	95.18	99.94	144.80	183.51	139.14	198.47	292.95
IV	58.62	-	127.84	-	165.98	227.43	221.78	253.21	340.08
1964 I	-	-	-	138.41	-	-	-	122.35	-
II	116.53	208.77	292.64	157.86	139.93	164.88	204.67	154.43	153.27
1965 I	-	-	58.71	152.86	-	99.90	-	243.06	77.44
IV	-	51.72	117.21	133.91	182.17	171.38	90.91	110.89	68.52
1966 I	-	-	123.63	311.22	264.51	197.18	211.87	181.48	152.48
II	-	125.63	180.72	226.29	135.64	189.65	106.06	144.07	182.41
IV	60.61	82.87	124.87	202.51	204.84	151.57	169.86	118.00	158.74
1967 I	-	-	138.89	177.49	157.89	-	-	138.89	-
II	-	163.17	124.78	262.21	192.78	180.96	162.14	180.26	159.11
IV	-	-	280.51	424.31	198.56	191.57	318.02	-	148.48
1968 I	-	95.24	245.23	247.54	143.21	191.21	241.38	155.70	154.64
II	261.90	217.27	173.72	332.07	258.91	204.41	285.61	217.36	233.61
IV	-	193.97	174.56	323.44	242.05	198.37	293.88	239.10	199.06

Table 69 : Quarterly average prices of teak poles of Class II at the Paratwada depot during 1958-1968, for the length classes under 2.0 m. to 3.0-3.9 m. and the girth class under 25.0 cm. to 40.0-44.9 cm.

(Average price in Rs. per m³)

<u>Length under 2.0 m.</u>		
Girth under 25.0 cm .	1968	II 414.85
1966	II	244.76
Girth 25.0-29.9 cm .	1964	I 92.15
1959	II	17.66
1960	IV	44.14
1966	IV	106.87
1967	II	94.89
Girth 30.0-34.9 cm .	1959	II 35.31
1960	I	58.62
1965	IV	81.53
1968	II	132.63
Girth 40.0-44.9 cm .	1958	II 44.50
1959	II	60.39
1960	I	57.21
	II	56.50
	IV	75.22
1963	II	53.68
1964	II	141.66
1967	II	62.58
1968	I	188.81
	II	148.20
	IV	144.74
<u>Length 2.0-2.9 m.</u>		
Girth under 25.0 cm .	1959	I 35.31
1960	II	31.78
1	IV	26.49

Girth 35.0-39.9 cm .	1964	I 92.15
	II	106.53
<u>Length 3.0-3.9 m.</u>		
Girth under 25.0 cm .	1958	IV 49.44
1959	I	91.47
	II	76.99
1960	I	80.52
	II	70.63
	IV	75.93
1963	I	138.43
	II	56.50
1964	II	253.61
1965	IV	171.85
1966	I	318.32
	IV	113.24
1967	II	91.26
1968	II	365.90
	IV	200.00
Girth 34.0-39.9 cm .	1964	I 174.22
	II	94.02
1966	I	305.14
	IV	212.16
1968	II	284.61

Table 61 : Quarterly average prices of teak poles of Class II at the Paratwada depot during 1958-1968, for the length classes 4.0-5.9 m. and 6.0-7.9 m. and the girth classes under 25.0 cm to 40.0-44.9 cm .

(Average price in Rs. per m³)

Length 4.0-5.9 m.

Girth under 25.0 cm .

1958	II	72.40
1959	II	90.05
1960	II	80.87
	IV	109.12
1961	II	71.34
1963	I	100.29
	II	70.63
1964	II	137.31
1965	IV	97.66
1966	I	215.19
	II	163.70
1968	II	324.83
	IV	349.96

Girth 35.0-39.9 cm .

1964	I	188.19
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Length 6.0-7.9 m.

Girth under 25.0 cm .

1959	II	176.57
1960	II	264.15
	IV	176.57

Girth 25.0-29.9 cm .

1958	II	188.23
1960	II	250.03
	IV	229.55
1964	II	174.42
1966	II	230.91

Girth 30.0-34.9 cm .

1958	II	264.86
1959	I	273.69
	II	411.77
1960	II	260.37
	IV	204.47
1963	I	312.18
1965	IV	148.15
1966	II	129.18
	IV	300.66
1967	II	213.82
1968	I	126.54
	IV	263.16

Girth 35.0-39.9 cm .

1964	I	232.86
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Girth 40.0-44.9 cm .

1959	II	529.72
1960	IV	341.14
1964	II	181.69
1965	IV	100.44
1966	I	185.92
	II	110.27
	IV	162.41
1967	II	176.99
1968	II	264.21
	IV	199.20

Table 62 : Quarterly average prices for teak poles of Class III at the Nasik depot during 1958-1968, for the length classes under 2.0 m. to 8.0-9.9 m. and the different girth classes.

(Average price in Rs. per m³)

<u>Length under 2.0 m.</u>		<u>Length 4.0-5.9 m.</u>	
Girth 35.0-39.9 cm .		Girth 25.0-29.9 cm .	
1966	IV 177.66	1965	IV 300.12
1967	IV 231.44	Girth 35.0-39.9 cm .	
<u>Length 2.0-2.9 m.</u>		1958	II 165.98
Girth 25.0-29.9 cm .		1959	I 228.13
1965	IV 111.90	1965	II 122.61
Girth 35.0-39.9 cm .			IV 98.59
1965	II 79.73	1967	IV 167.98
	IV 135.66	<u>Length 8.0-9.9 m.</u>	
1966	IV 1173.91	Girth 30.0-34.9 cm .	
1967	IV 231.44	1959	IV 225.66
<u>Length 3.0-3.9 m.</u>		Girth 40.0-44.9 cm .	
Girth 25.0-29.9 cm .		1959	IV 225.66
1965	IV 279.57		
Girth 30.0-34.9 cm .			
1959	IV 180.81		
Girth 35.0-39.9 cm .			
1959	I 198.47		
1965	I 97.48		
	II 70.77		
	IV 172.00		
1966	IV 176.54		
1967	IV 156.57		

Table 63 : Quarterly average prices of teak poles of Class III at the Paratwada depot during 1958-1968, for the length classes under 2.0 m. to 6.0-7.9 m. and the different girth classes

		(Average price in Rs. per m ³)	
<u>Length under 2.0 m.</u>			
Girth 30.0-34.9 cm .		Girth 35.0-39.9 cm .	
1968 IV	129.31	1968 IV	221.34
Girth 40.0-44.9 cm .		Girth 40.0-44.9 cm .	
1968 IV	131.43	1964 IV	147.37
<u>Length 2.0-2.9 m.</u>		1966 II	153.06
Girth 30.0-34.9 cm .		IV	117.32
1964 IV	164.51	1968 IV	150.14
1966 II	55.17	<u>Length 4.0-5.9 m.</u>	
IV	77.35	Girth 25.0-29.9 cm .	
1968 IV	177.66	1964 IV	174.56
Girth 40.0-44.9 cm .		1968 IV	204.98
1964 IV	111.52	Girth 30.0-34.9 cm .	
1965 I	77.26	1964 IV	209.10
1966 II	74.96	1966 II	158.31
IV	88.22	IV	99.46
1968 IV	140.96	1968 IV	190.60
<u>Length 3.0-3.9 m.</u>		Girth 35.0-39.9 cm .	
Girth under 25.0 cm .		1968 IV	138.30
1966 IV	89.82	Girth 40.0-44.9 cm .	
1968 IV	429.18	1964 IV	175.45
Girth 25.0-29.9 cm .		1966 II	133.77
1966 IV	142.86	IV	175.96
1968 IV	235.85	1968 IV	114.83
Girth 30.0-34.9 cm .		<u>Length 6.0-7.9 m.</u>	
1964 IV	115.80	Girth 40.0-44.9 cm .	
1966 IV	112.28	1964 IV	132.45
1968 IV	188.39	1966 IV	227.70