

TIMBER BAMBOO TRADE BULLETIN

NO. 63



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Division of Statistics

DIRECTORATE OF EXTENSION

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION

(An Autonomous Body of Ministry of Environment & Forests, Govt. of India)

P.O. New Forest, DEHRADUN - 248 006 (Uttarakhand)

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Based on Data from

JANUARY 2011 to JUNE 2011

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डॉ० वी०के० बहुगुणा, भा.व.से.
 प्रधाननिदेशक, भा.वा.अ.शिक्षा,
 एवं कुशाभिवृत्ति, के.वा.म. विश्वविद्यालय
Dr. V.K. Bahuguna, IAS
 Director General, ICFRE
 and Chancellor, FRI University



भारतीय वनिकी अनुसंधान एवं शिक्षा परिषद्
 (आइएफआरई 9001:2000 प्रमाणित संस्था)
 (पर्यावरण एवं वन विभाग, कोटी मन्दाय की एक स्वायत्त संस्था)
 पी.ओ. न्यू फॉरेस्ट, देहरादून-248006
Indian Council of Forestry Research and Education
 (An ISO 9001:2000 Certified Organisation)
 (An autonomous body of Ministry of Environment and Forests,
 Government of India)
 P.O. New Forest, Dehra Dun - 248 006

FOREWORD

Market intelligence is vital for decision making on investments in any enterprise, be it in industry or forestry. In order to promote tree/bamboo planting as an enterprise, market information needs to be regularly collected, compiled and disseminated to various stakeholders comprising tree growers, farmers, state forest departments/corporations, private entrepreneurs and other user groups.

In an attempt to incorporate the trade related statistics in the bulletin, we are in a process to revise the basic structure of the bulletin. This may take some time. However, as an initiative, the latest report of Market Information Service of International Tropical Timber Organization (ITTO), Tropical Timber Market Report, is included in the bulletin as annexure for the benefit of the end – users. We aim to analyze the available information on Indian timber market and incorporate the same in future issues of the bulletin.

This bulletin is presented in two sections, Section – A comprising prices in private markets and Section – B comprising Government depots. It is expected that this bulletin will be of help to farmers, researchers, industrialists, entrepreneurs, state forest departments/corporations, and consumers of wood and forest products. Suggestions for improvement in the content/structure are welcome, and may be sent to Division of Statistics, ICFRE.

We have also decided to put it on the website of ICFRE for the benefit of all.

(Dr. V. K. Bahuguna)

Director General,

**Indian Council of Forestry Research and Education
 Dehradun**

संचाल, Phone : 0135-2759392 (O)
 PABX : 0135-2224055 (O)
 : 0135-2754748 (Res.)
 : 0135-2224509 (Res.)

ईमेल e-mail : dgen@icfre.org
 : bahuguna@icmail.com
 : bahugunaifs@yahoo.com
 टैक्स Fax : 0135-2755353

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Study of Markets

The market orientation of farmers has been highlighted in the new National Forest Policy of 1988 which states that, “the forest based industry should meet its raw material requirements by establishing a direct relationship with individuals who can grow trees on farm lands”. The new National Forest Policy, thus, encourages the farmers to grow more trees.

It is evident that study of marketing of the forest produce grown by the farmers, is very vital for the success of farm forestry and private tree planting programmes. Market analysis assumes greater importance when more options are open to the farmers for growing a variety of trees. Marketing information is helpful to the farmers in assessing the advantage of one crop over the other. It is, therefore, very important to monitor and disseminate market information for giving impetus to tree planting.

ICFRE’s eight Institutes are studying 19 markets of the country every quarter to collect the latest trend of market rates of 7 timber species (round and sawn), 4 bamboo species and fuel of different species. Market trend of imported timber species are also taken care of and mentioned accordingly in the formats tables.

PURVIEW OF STUDY

The present study is confined to the following timber species and bamboos. Each species has been given a separate code number as shown below:

Name of species	Code Number of Species
Teak	1
Sal	2
Eucalyptus	3
Poplars	4
Casuarina	5

<i>Chir pine</i>	6
<i>Deodar</i>	7
<i>Bamboos</i>	8

Several markets spread all over the country have been identified for collection of data relating to prices of above mentioned species of timber and bamboos. Each Institute of the Indian Council of Forestry Research & Education has been assigned the task of collecting information for the adjoining identified markets as per the detailed list below:

Research Institutes	Institutes Code Number	Name of Market	Market Code Number
TFRI, Jabalpur	01	Nagpur	13
		Jabalpur	09
		Raipur	15
	02	Chennai	12
		Calicut	04
IWST, Banglore	03	Bangalore	02
		Hyderabad	08
AFRI, Jodhpur	04	Jaipur	10
		Ahmedabad	01
FRI, Dehra Dun	05	Delhi	06
		Dehra Dun	05
		Yamunanagar	18
HFRI, Shimla	06	Pathankot	14
		Jammu	11
RFRI, Jorhat	07	Guwahati	07
IFP, Ranchi	08	Kolkata	03
		Ranchi	16
		Siliguri	17

METHODOLOGY

Each institute deputs an expert to collect the market information. Survey parties of the institutes under the guidance of the deputed expert, visit identified markets and collect information in the prescribed formats from the timber merchants and Government depots.

VARIOUS SIZES OF TIMBER AND BAMBOOS

Timber is sold in various markets in the form of round logs, sawn wood etc. Various sizes of round/sawn timber or bamboos sold in a particular market, depends entirely on the requirement in that area; e.g. in northern states of U.P., Punjab, Haryana, Delhi, Bamboo of 6 ft. and 3 ft. length known as "Bahi" and "Sarava" respectively, are sold; whereas in other states longer bamboos with length varying from 3 mt. to 9 mt. find greater use in construction of houses.

Similarly, in coastal areas, there is more demand for timber suiting the requirement of boat making and ship building.

Sizes of round/sawn timber and bamboos sold in different markets are given in respective tables which are self explanatory.

Industrial bamboos are sold by the State Forest Departments and Forest Corporations directly to the paper mills. Thinner ends of the bamboo are converted into pieces of 1 mt. and 2 mt. lengths and supplied to the paper mills.

COMPILATION OF DATA

The data collected by various institutes for all the identified markets has been compiled in the Division of Statistics, Directorate of Extension, I.C.F.R.E., and published in the present form. Data for each market has been given separately.

Period of Reporting

The present volume contains data for the month January 2011 to June 2011. The data for the market Calicut and Chennai is for the period September 2010, and for Kolkatta and Silliguri market is December 2010. as the data for the period January 2011 to June 2011 is not received so far.

Private Market Rates

ROUND LOGS (TEAK)

Market	Grade	Length Metres	Price per cu.m. in Rupees				
			Mid Girth in centimeters.				
			41-60	61-90	91-120	121-150	Over 150
Ahmedabad							
<i>(Ghana)</i>	I	2.4	-	37065	38124	-	-
<i>(Burma)</i>	I	3	-	-	77660	-	-
<i>(Ivory)</i>	I	3	-	-	46243	-	-
					15356		
Bangalore							
<i>(Burma)</i>	II	> 5.0	-	-	75573	88286	105944
<i>(African)</i>	III	> 5.0	-	56503	63566	74160	81223
<i>(India)</i>	III	> 5.0	-	-	52971	63566	-
Calicut	CII LL	>7.3	-	-	-	72000	-
	BII LL	>7.3	-	-	-	101232	-
	BIII LL	>7.3	-	-	68097	-	-
	BII	2.5-7.3	-	-	-	81665	-
	BIII	2.5-7.3	-	-	61491	-	-
	BIV	2.5-7.3	-	42320	-	-	-
	CI	2.5-7.3	-	-	-	-	76177

Calicut	CII	2.5-7.3	-	-	-	58765	-
	CIII	2.5-7.3	-	-	45251	-	-
	CIV	2.5-7.3	-	29996	-	-	-
	LLB IV	>7.3	-	43101	-	-	-
	SL B III	1.0-2.5	-	-	40103	-	-
	SL C III	1.0-2.5	-	-	30272	-	-
	SL C IV	1.0-2.5	-	24302	-	-	-
	SL C V	1.0-2.5	-	20425	-	-	-
Dehradun	A	-	22952	35310	60027	79448	93572
Hyderabad							
	African	3 - 4.5	22952	30014	38841	-	-
	Ghana	3 - 4.5	30014	37076	44138	-	-
	TMG	3 - 4.5	33368	38841	44138	-	-
Jabalpur	IIIA	2.0-3.0	-	32300	41500	53900	
	IIIA	3.0-4.0	-	35000	45400	56800	
	IIIA	4.0-5.0	-	38500	50500	60500	
Jaipur							
(Ghana)	I	3.00	-	38830	40595	-	-
Nagpur							
(C.P. India)	II	2.0-3.0	-	34700	40700	46500	
		3.0-4.0	-	37900	44800	49800	
		4.0-5.0	-	41800	47800	54900	

Nagpur	IIIA	2.0-3.0	-	28400	36300	38000	
(African)		3.0-4.0	-	29580	36650	47400	
		4.0-5.0	-	30650	39900	50000	
Raipur	IIIA	2.0-3.0	-	40700	54500	81600	-
(C.P. India)	IIIA	3.0-4.0	-	44600	60000	84200	-
	IIIA	4.0-5.0	-	49000	64350	91500	-
Ranchi	-	-	-	-	-	41066-71420	-
Siliguri	Spl	1.8-3.6	18050	19200	24520	26500	29050
	Spl	3.9-4.6	19850	24450	26700	28600	32100
	Spl	4.6-5.5	23400	24550	28500	32050	34920

ROUND LOGS (SAL)

Market	Grade	Length Metres	Price per cu.m. in Rupees				
			Mid Girth in centimeters.				
			41-60	61-90	91-120	121-150	Over 150
Bangalore	I	> 5.0	-	-	-	21000-26250	-
Dehradun	A	2.10	14124	35310	42372	49434	54731
Jabalpur	IIIA	2.0-3.0	-	17800	23400	32000	
	IIIA	3.0-4.0	-	21400	27000	34400	
	IIIA	4.0-5.0	-	24000	31100	37000	
Jaipur	I	2.4-3.0	-	27534	28593		-
Raipur	IIIA	2.0-3.0	-	19200	22800	27600	
	IIIA	3.0-4.0	-	21100	25150	30600	
	IIIA	4.0-5.0	-	28600	30500	35100	
Ranchi	-	-	-	-	-	33925-44638	-
Siliguri	Spl	2.1-2.4	10750	12100	14050	15820	18950

ROUND LOGS (CASUARINA)

Market	Grade	Length Metres	Price per cu.m. in Rupees				
			Mid Girth in centimeters.				
			46-60	61-90	91-120	121-150	Over 150
Chennai		5.4	10500	-	-	-	-
		7	14500	-	-	-	-
		3.5	7800	-	-	-	-

ROUND LOGS (CHIRPINE)

Market	Grade	Length Metres	Price per cu.m. in Rupees				
			Mid Girth in centimeters.				
			41-60	61-90	91-120	121-150	Over 150
Ahmedabad	I	3.0-3.6	-	-	15356	-	-
Jaipur	I	3	-	-	15885	-	-

FORMAT- I A

POLES (TEAK)

Market	Grade	Length (metres)	Price of poles Per 100 pcs. (Rs.)	
			Mid Girth in cms.	
			21-30 cm.	31-45 cm.
Jabalpur	IIIA	2.0-3.0	14000	42700
	IIIA	3.0-4.0	23500	53000
	IIIA	4.0-5.0	33000	65500
Nagpur	II	2.0-3.0	13500	31700
		3.0-4.0	25200	45300
		4.0-5.0	35700	66800
Raipur	IIIA	2.0-3.0	15170	29200
	IIIA	3.0-4.0	19500	39200
	IIIA	4.0-5.0	32000	51800
Siliguri*	Spl	1.8-3.6	-	19020-24710
		3.9-4.6	-	
		4.6-5.5	-	

POLES (SAL)

Market	Grade	Length (metres)	Price of poles Per cu.m. (Rs.)	
			Mid Girth in cms.	
			21-30 cm.	31-45 cm.
Kolkata	S.Bengal	<3.66	15000	20000
	S.Bengal	3.67-4.88	17500	25000
	S.Bengal	4.89-6.10	22500	32500
Siliguri*	Spl	2.1-5.4	-	13810-17300

*--- price per cu.m.for girth 41-60 cm.

POLES (CASUARINA)

Market	Grade	Length (metres)	Price of poles Per 100 pcs. (Rs.)	
			Mid Girth in cms.	
			21-30 cm.	31-45 cm.
Bangalore	-	3	6500	8000
	-	3.6	7500	10500
	-	4.5	10000	13000
Kolkata	S.Bengal	<3.66	14000	18000
		3.67-4.88	15000	20000
		4.89-6.10	20000	25000

Note: > indicates greater than and < indicates less than.

POLES (EUCALYPTUS)

			21-30 cm.	31-45 cm.
Ahmedabad	I	3.6	8000	10200
	I	4.2	9500	12200
	I	4.8	10200	13500
	I	5.4	-	15800
	I	6.0	-	17200
Bangalore	-	3.0	4600	7100
	-	4.5	6300	9400

Dehradun	II	3.0	15000	-
	II	3.6	-	28000
	II	4.5	-	35000
	II	6.0	42500	-
Jabalpur	-	2.0-3.0	11800	13000

Jabalpur	-	3.0-4.0	13200	14500
	-	4.0-5.0	14300	14700
Jaipur	I	3	7200	8150
	I	3.6	8250	10500
	I	4.2	10000	12800
	I	4.8	11000	14000
	I	5.4	-	16200
	I	6	-	17800
Jammu	A	2.87	-	24000
Kolkata	S.Bengal	<3.66	10000	12000
		3.67-4.88	13000	15000
		4.89-6.10	18000	20000
Nagpur	-	2.0-3.0	9300	10700
	-	3.0-4.0	11700	12700
	-	4.0-5.0	13300	14200
Pathankot	-	2.87	-	30000
Raipur	-	2.0-3.0	8500	12000
	-	3.0-4.0	10700	13900
	-	4.0-5.0	13600	19100
Ranchi	-	3.0	7500	10900
	-	3.7	9700	14400
	-	4.9	14200	17500

POLES (Deodar)

			21-30 cm.	31-40 cm.
Jammu	-	3.05	-	18000
Pathankot	-	2.87		35000

FORMAT II

SAWN TIMBER (TEAK)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Ahmedabad	I	240	15	12.7	43595	Ghana
	II	210	10	8	39183	Ghana
	I	240	15	10	52068	Ivory
	I	210	12.7	8	50302	Ivory
Bangalore	II	180-210	7.5-10.0	6.25-7.50	116538	Burma
	II	180-210	37.5	7.5	137726	Burma
	III	180-210	7.5-10.0	6.25-7.50	67097	Burma
	III	180-210	7.5-10.0	6.25-7.50	77692	African
Calicut	I	210	>13	4	123600	Nilambur
	I	210	>10	4	123600	Nilambur
	I	300	30	2.5	141000	Nilambur
	II	210	>13	4	106000	Nilambur
	II	210	>10	4	106000	Nilambur
	II	300	30	2.5	135000	Nilambur
Chennai	II	240	10	7.5	60000	African
	II	240	15	7.5	65000	African
	II	240	20	7.5	70000	African
	II	240	25	7.5	100000	African
	-	240	10	7.5	140000	Burma
	-	240	15	7.5	147000	Burma
	-	240	20	7.5	152500	Burma
	-	240	25	7.5	163500	Burma
Dehradun	I	45-90	7.5-12.5	3.75-10	77682	
Dehradun	I	45-90	13-18	3.75-15	84744	
	I	45-91	18-25	3.75-20	88275	

Delhi		45-90	7.5-12.5	3.75-10	41772	Imported
		45-90	13-18	3.75-15	50317	Imported
		45-91	18-25	3.75-20	53848	Imported
		45-90	7.5-12.5	3.75-10	74151	Nagpur Teak
		45-90	13-18	3.75-15	74151	Nagpur Teak
		45-91	18-25	3.75-20	74151	Nagpur Teak
		90-150	13-18	3.75-10	81213	Nagpur Teak
		90-150	18-25	3.75-20	88275	Nagpur Teak
		150-210	13-18	3.75-10	84744	Nagpur Teak
		150-210	18-25	3.75-10	91806	Nagpur Teak
		210-270	18-25	3.75-10	93572	Nagpur Teak
		210-270	26-30	3.75-20	100634	Nagpur Teak
Jabalpur	I	45-90	7.5-12.5	3.75-10	43400	C.P.Teak
	-	45-90	15-17.5	3.75-15	50400	-
	-	45-90	20-22.5	3.75-20	58400	-
	-	45-90	25-27.5	3.75-20	64600	-
	-	91-180	7.5-12.5	3.75-10	46800	-
	-	91-180	15-17.5	3.75-15	54100	-
	-	91-180	20-22.5	3.75-20	63900	-
	-	91-180	25-27.5	3.75-20	71300	-
	-	181-270	7.5-12.5	3.75-10	50100	-
	-	181-270	15-17.5	3.75-15	58100	-
	-	181-270	20-22.5	3.75-20	66700	-
	-	181-270	25-27.5	3.75-20	74300	-
Jaipur	I	210	15	12.7	60893	M.P.Teak
	I	210	10	7.6	59128	M.P.Teak
	I	210-240	15	10	54715	Ivory Teak
	I	210	12.7	8	51891	Ivory Teak
	I	240	12.7	10	44302	Ghana Teak
	I	240	10	7.6	40595	Ghana Teak
Nagpur	I	45-90	3.75-10	3.75-10	53400	C.P Teak
	I	45-90	3.75-15	3.75-15	57800	C.P Teak
	I	45-90	3.75-20	3.75-20	60500	C.P Teak
	I	91-180	3.75-10	3.75-10	55300	C.P Teak
	I	91-180	3.75-15	3.75-15	59000	C.P Teak
	I	91-180	3.75-20	3.75-20	64300	C.P Teak

Nagpur	I	181-270	3.75-10	3.75-10	60600	C.P Teak
	I	181-270	3.75-15	3.75-15	65400	C.P Teak
	I	181-270	3.75-20	3.75-20	68100	C.P Teak
Raipur	I	45-90	7.5-12.5	3.75-10	55400	C.P Teak
	I	45-90	15-17.5	3.75-15	61900	C.P Teak
	I	45-90	20-22.5	3.75-20	76500	C.P Teak
	I	45-90	25-27.5	3.75-20	82700	C.P Teak
	I	91-180	7.5-12.5	3.75-10	61300	C.P Teak
	I	91-180	15-17.5	3.75-15	65300	C.P Teak
	I	91-180	20-22.5	3.75-20	83600	C.P Teak
	I	91-180	25-27.5	3.75-20	108100	C.P Teak
	I	181-270	7.5-12.5	3.75-10	65800	C.P Teak
	I	181-270	15-17.5	3.75-15	71500	C.P Teak
	I	181-270	20-22.5	3.75-20	81900	C.P Teak
	I	181-270	25-27.5	3.75-20	98300	C.P Teak
Ranchi	-	-	-	-	39281-85704	-
Siliguri	Spl	90-120	7.6-17.8	3.5-3.8	29750-33000	-
	Spl	90-120	22.9-30.5	2.5-3.8	35250-39050	-
Yamuna Nagar		-	-	-	81213	M.P. Teak
		-	-	-	56673	Ivory Teak

Note : > indicates greater than

C.P.- Central Province (Area around Nagpur)

SAWN TIMBER (SAL)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Dehradun	I	45-90	7.5-12.5	3.75-10	52965	
	I	45-90	13-18	3.75-15	54731	
	I	45-91	18-25	3.75-20	58262	
Hyderabad	Nil	For all sizes			35000	
Jabalpur	I	45-90	7.5-12.5	3.75-10	27400	-
	-	45-90	15-17.5	3.75-15	31700	-
	-	45-90	25-27.5	3.75-20	33200	-
	-	91-180	7.5-12.5	3.75-10	35700	-
	-	91-180	15-17.5	3.75-15	37700	-
	-	91-180	25-27.5	3.75-20	39500	-
	-	181-270	7.5-12.5	3.75-10	42500	-
	-	181-270	15-17.5	3.75-15	44900	-
	-	181-270	25-27.5	3.75-20	46700	-
Nagpur	I	45-90	7.5-12.5	3.75-10	-	
	I	45-90	15-17.5	3.75-15	-	
	I	45-90	25-27.5	3.75-20	-	
	I	91-180	7.5-12.5	3.75-10	-	
	I	91-180	15-17.5	3.75-15	-	
	I	91-180	25-27.5	3.75-20	-	
	I	181-270	7.5-12.5	3.75-10	-	
	I	181-270	15-17.5	3.75-15	-	
	I	181-270	25-27.5	3.75-20	-	
Raipur	I	45-90	7.5-12.5	3.75-10	24200	
	I	45-90	15-17.5	3.75-15	26700	
	I	45-90	25-27.5	3.75-20	30800	
	I	91-180	7.5-12.5	3.75-10	28800	
	I	91-180	15-17.5	3.75-15	30800	
	I	91-180	25-27.5	3.75-20	34800	
	I	181-270	7.5-12.5	3.75-10	33000	
	I	181-270	15-17.5	3.75-15	36700	

Raipur	I	181-270	25-27.5	3.75-20	39000	
Ranchi	-	-	-	-	27854-41066	-
Siliguri	Spl	90-120	7.6-10.2	7.6	25920-31810	-
	Spl	300-360	20.3-20.3	2.5 -10.2	34510-37020	-
	Spl	366-549	22.9-25.4	2.5	39010-42120	-
Yamuna Nagar		-	-	-	34639	Kanpur
		-	-	-	51588	Malasian
		-	-	-	33015	Indonasianl

SAWN TIMBER (DEODAR)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Dehradun	A	360	25	13	6000	-
	A	300	25	13	5250	-
	A	240	25	13	4500	-
	A	180	25	13	3750	
Delhi		360	25.4	12.7	1400	
		300	25.4	12.7	1250	
		240	25.4	12.7	1150	
		180	25.4	12.7		
Jammu	A	305	25.4	12.7	69227	-
	B	305	25.4	12.7	65777	-
	B/C	305	25.4	12.7	53793	
	C	305	25.4	12.7	21161	-
Pathankot	A	305	25.4	12.7	62190	-
	B	305	25.4	12.7	38180	-
	B'	305	25.4	12.7	37850	
	C	305	25.4	12.7	34735	
Yamuna Nagar		360	25.4	12.7	5750	Sleeper
		300	25.4	12.7	4966	Sleeper

Yamuna Nagar		240	25.4	12.7	3833	Sleeper
		180	25.4	12.7	2750	Sleeper

SAWN TIMBER (EUCALYPTUS)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Dehradun	I	45-90	7.5-18	3.75-15	12360	-
	I	90-150	18-25	3.75-20	15890	
	I	150-210	13-25	3.75-10	21190	
Ranchi	-	-	-	-	14284-16962	-
Yamuna Nagar		-	-	-	16984	

SAWN TIMBER (CHIRPINE)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Ahmedabad	I	300	20	15	16944	-
Dehradun	A	360	25	13	1900	-
	A	300	25	13	1700	-
	A	240	25	13	1400	-
	A	180	25	13	1150	-
Jaipur	I	240-300	15	12.7	17297	-
Jammu	B	305	25.4	12.7	-	-
Pathankot	A	305	25.4	12.7	15780	-

Pathankot	B	305	25.4	12.7	14325	
	C	305	25.4	12.7	10250	
Yamuna Nagar		360	25.4	12.7	2750	Sleeper
		300	25.4	12.7	1950	Sleeper
		240	25.4	12.7	1450	Sleeper
		180	25.4	12.7	1000	Sleeper

FORMAT III

FUELWOOD

Market	Species	Price per mt. tonnes
		(in Rs.)
Ahmedabad	Miscellaneous	3400
Bangalore	Miscellaneous	3500
Calicut	Sawn waste	2500-2750
	Rubber	3300-3500
Chennai	Miscellaneous	6000
	Casuarina	6200
Hyderabad	Miscellaneous	9000
Dehradun	Sal	4000
Dehradun	Eucalyptus	3000
	Miscellaneous	4000
Jabalpur	Sal	3000

Jabalpur	Teak	2000
	Miscellaneous	2750
Jaipur	Miscellaneous	3500
Jammu	Miscellaneous	5500
Pathankot	Miscellaneous	2900
Kolkata	Miscellaneous	1500-1800
Nagpur	Teak	2100
	Sal	2600
	Miscellaneous	2750
Raipur	Teak	1900
	Sal	2650
	Miscellaneous	2750
Ranchi	Miscellaneous	3500-4000
Siliguri	Sal	5110
	Miscellaneous	3800
Yamuna Nagar	Miscellaneous	4500

FORMAT IV

BAMBOOS (COMMERCIAL)

Market	Length (cm.)	Basal girth (cm.)	Price per 100 Bamboos (in Rs)	Remarks
Ahmedabad	300	12-16	4150	Compact Bamboo
	360	12-16	5000	Compact Bamboo
	420	12-16	5850	Compact Bamboo
	480	20-24	7200	Compact Bamboo
	360	12-16	3850	Hollow Type
	360	20-24	5200	Hollow Type
	480	20-24	6600	Hollow Type
	600	24-30	7700	Hollow Type
	720	28-32	8500	Hollow Type
Bangalore	600-750	35-40	14000-16000	
	450-600	20-22	12000-13000	
	300-450	15-20	10000-11000	
	< 300	10-15	5000-9000	
Calicut	600	20	7000	
	540	20	6500	
	300	20	6000	
Chennai	300	20	6200	
	360	30	8500	
	600	40	12000	
Dehradun	540	15-20	5500	
	480	15-20	4500	
	420	20-25	-	
	300	10-15	-	
	240	10	1800	

Hyderabad	636	-	2500	
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Jaipur	300	12-16	4000	Compact type
	360	12-16	5300	Compact type
	420	16-20	6100	Compact type
	450	20-24	7650	Compact type
	300	16-20	4350	Hollow type
	360	20-24	6000	Hollow type
	480	20-24	7000	Hollow type
	600	24-30	8100	Hollow type
	720	28-32	9250	Hollow type
Jabalpur	310	9-12	1333	
	310	12-15	1500	
	370	9-12	1566	
	370	12-15	1866	
	460	9-12	2033	
	460	12-15	2266	
	550	9-12	2466	
	550	12-15	2666	
	610	9-12	2833	
	610	12-15	3033	
	650	9-12	3633	
	650	12-15	4033	
	730	9-12	4600	
	730	12-15	5066	
	760	Solid	10833	Katanga Bamboo
	760	Hollow	10166	Katanga Bamboo
	910	Solid	11666	Katanga Bamboo
	910	Hollow	10166	Katanga Bamboo
Kolkata	600	15-20	4548	
	600	21-25	5113	
	750	20-25	5000	
	750	>25	6000	

Kolkata	900	25-27	5900	
	900	>27	7167	
	1000	25-27	6999	
	1000	>27	7778	
Nagpur	310	9-12	1200	
	310	12-15	1475	
	370	9-12	1650	
	370	12-15	1875	
	460	9-12	2150	
	460	12-15	2500	
	550	9-12	2875	
	550	12-15	3100	
	610	9-12	3600	
	610	12-15	4025	
	650	9-12	4475	
	650	12-15	5050	
	730	9-12	5375	
	730	12-15	5925	
Raipur	310	9-12	1266	
	310	12-15	1633	
	370	9-12	1800	
	370	12-15	1966	
	460	9-12	2133	
	460	12-15	2266	
	550	9-12	2500	
	550	12-15	2800	
	610	9-12	3100	
	610	12-15	3333	
	650	9-12	3633	
	650	12-15	3900	
	730	9-12	4366	
	730	12-15	5033	
	760	Solid	9333	Katanga Bamboo

Raipur	760	Hollow	9166	Katanga Bamboo
	910	Solid	10333	Katanga Bamboo
	910	Hollow	9400	Katanga Bamboo
Ranchi	660	7.5	10000-10500	
	300	5	6000-6400	
Siliguri	975-1000	15-25	4700	Bamboosa Tulda
	1000-1060	25-30	5110	Bamboosa Tulda
	975-1000	10-15	3500	Bamboosa Nutan
	1000-1060	15-25	4710	Bamboosa Nutan

BAMBOOS (INDUSTRIAL)

Market	Length (cm)	Price per SU/NT		Remarks
Bangalore	-		2600per MT	Supply to pulp and paper industries
Hyderabad	450-600		3800	
Kolkata	-		3000 per tone	

Government Market Rates

ROUND LOGS (SAL)

Market	Grade	Length (meter)	Price per cu.m. in Rupees				
			Mid Girth in centimeters.				
			46-60	61-90	91-120	121-150	Over 150
Kolkata	-	-	-	-	-	16657	-
	-	-	-	-	-	33315	-
Ranchi	-	0.0 - 2.44	-	6861	9148	10731	14311
		2.45 - 3.65	-	7797	13560	14969	16921
		3.66- 4.88	-	8421	15593	16921	18526
		4.89 - 6.10	-	9737	19034	20340	22373
		> 6.11	-	12335	20479	22373	22592
Siliguri	Special	2.1-2.4	10700	12100	14000	15800	18900
		4.2-4.6	12500	13600	15800	18600	21500
		4.5-5.4	13800	16000	18500	21000	23100

ROUND LOGS (EUCALYPTUS)

Market	Grade	Length (meter)	Price per cu.m. in rupees				
			Mid Girth in centimeters.				
			46-60	61-90	91-120	121-150	Over 150
Ranchi	-	< 2.44	-	2496	3073	3276	3457
		> 2.45	-	2880	3457	3648	4224

Note : > indicates greater than

FORMAT 1-A

POLES (TEAK)

Market	Grade	Length (meter)	Price of Poles per 100 pcs (Rs.)	
			Mid Girth in centimeters.	
			21-30	31-45
Ranchi	-	0.00-2.44	-	14700
	-	2.45-3.66	-	16900
	-	3.67-4.26	-	21750
	-	4.27-4.84	-	24800
	-	4.85-5.44	-	37700
	-	5.45-6.04	-	71500
	-	6.05-6.64	-	87300
	-	6.65-7.24	-	100100
	-	7.25-7.84	-	135100
	-	7.85-8.44	-	156000
	-	8.45-9.04	-	173000
	-	9.05-9.64	-	190100
Siliguri	Special	1.8-5.5	-	19000-24700

POLES (SAL)

Market	Grade	Length (meter)	Price of Poles per 100 pcs (Rs.)	
			Mid Girth in centimeters.	
			21-30	31-45
Ranchi	-	0.00-2.44	-	6100
	-	2.45-3.66	-	7500
	-	3.67-4.26	-	9250
	-	4.27-4.84	-	10150
	-	4.85-5.44	-	16000
	-	5.45-6.04	-	29900
	-	6.05-6.64	-	36400
	-	6.65-7.24	-	42400
Ranchi	-	7.25-7.84	-	56700
Ranchi	-	7.85-8.44	-	65400

	-	8.45-9.04	-	72600
	-	9.05-9.64	-	79800
Siliguri	Special	2.1-5.4	-	13800-17300
Kolkata*	-	4.88	-	13000

POLES (EUCALYPTUS)

Market	Grade	Length (meter)	Price of Poles per 100 pcs (Rs.)	
			Mid Girth in centimeters.	
			21-30	31-45
Kolkata*	-	4.88	-	16000

* indicates rates for the mid girth 46-50 cm.

FORMAT II

SAWN TIMBER (TEAK)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Kolkata	-	91.5	10.0-12.7	7.5-10.0	45909	Bengal- II
	-	95.0-122	12.7-15.2	12.5-15.0	47675	
	-	122.0-183.0	15.3-22.9	15.0-20.0	52619	
	-	183.0-366.0	23.0-30.5	20.0-30.0	57585	
	-	>366.0	-	>30.0	61094	
	-	91.5	10.0-12.7	7.5-10.0	52619	CP
	-	95.0-122	12.7-15.2	12.5-15.0	58629	
	-	122.0-183.0	15.3-22.9	15.0-20.0	62082	
	-	183.0-366.0	23.0-30.5	20.0-30.0	66924	
Ranchi	-	0-150	0-13	0-13	35405	
	-	0-150	13.1-35.0	13.1-35.0	50203	
	-	151-185	0-13	0-13	37353	
	-	151-185	13.1-35.0	13.1-35.0	52139	
	-	186-245	0-13	0-13	44746	
	-	186-245	13.1-35.0	13.1-35.0	55648	
	-	246-305	0-13	0-13	48255	
	-	246-305	13.1-35.0	13.1-35.0	61867	
	-	306-365	0-13	0-13	49041	
	-	306-365	13.1-35.0	13.1-35.0	70434	
	-	366-425	0-13	0-13	59931	
	-	366-425	13.1-35.0	13.1-35.0	77053	
	-	426-485	0-13	0-13	63428	
	-	426-485	13.1-35.0	13.1-35.0	80550	
	-	486-545	0-13	0-13	66538	
-	486-545	13.1-35.0	13.1-35.0	86382		
-	546-605	0-13	0-13	70047		
-	546-605	13.1-35.0	13.1-35.0	87943		
		> 606	13.1-35.0	13.1-35.0	95251	

Note : > indicates greater than

SAWN TIMBER (SAL)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Kolkata	-	91.5	10.0-12.7	7.5-10.0	25073	N. Bengal
	-	95.0-122	12.7-15.2	12.5-15.0	25462	
	-	122.0-183.0	15.3-22.9	15.0-20.0	27217	
	-	183.0-366.0	23.0-30.5	20.0-30.0	29913	
	-	>366.0	-	>30.0	31827	
	-	91.5	10.0-12.7	7.5-10.0	21012	Malayasia
	-	95.0-122	12.7-15.2	12.5-15.0	21823	
	-	122.0-183.0	15.3-22.9	15.0-20.0	22552	
	-	183.0-366.0	23.0-30.5	20.0-30.0	24897	
	-	>366.0	-	>30.0	26371	
Ranchi	-	0-150	0-13	0-13	13721	
	-	0-150	13.1-35.0	13.1-35.0	19150	
	-	151-185	0-13	0-13	14288	
	-	151-185	13.1-35.0	13.1-35.0	20005	
	-	186-245	0-13	0-13	15143	
	-	186-245	13.1-35.0	13.1-35.0	21437	
	-	246-305	0-13	0-13	20189	
	-	246-305	13.1-35.0	13.1-35.0	25780	
	-	306-365	0-13	0-13	20328	
	-	306-365	13.1-35.0	13.1-35.0	29198	
	-	366-425	0-13	0-13	27928	
	-	366-425	13.1-35.0	13.1-35.0	35401	
	-	426-485	0-13	0-13	28910	
	-	426-485	13.1-35.0	13.1-35.0	36995	
	-	486-545	0-13	0-13	30319	
	-	486-545	13.1-35.0	13.1-35.0	38323	
	-	546-605	0-13	0-13	31832	
	-	546-605	13.1-35.0	13.1-35.0	40275	
		> 606	13.1-35.0	13.1-35.0	43520	

Note : > indicates greater than

SAWN TIMBER (EUCALYPTUS)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Ranchi	-	0-150	0-13	0-13	4608	
	-	0-150	13.1-35.0	13.1-35.0	5377	
	-	> 151	0-13	0-13	5377	
	-	>151	13.1-35.0	13.1-35.0	6528	

SAWN TIMBER (CHIRPINE)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Jammu	B	305	25.4	12.7	26305.2	
	C	305	25.4	12.7	12165.43	
Nurpur	A	305	25.4	12.7		
Pathankot	A	305	25.4	12.7	15780	
	B	305	25.4	12.7	14325	
	C	305	25.4	12.7	10250	

Note : > indicates greater than

SAWN TIMBER (DEODAR)

Market	Grade	Size(cm.)			Price per cu.m. in rupees	Remarks
		L	B	T		
Jammu	A	305	25.4	12.7	751967.66	
	B	305	25.4	12.7	66964.1	
	C	305	25.4	12.7	51714.5	
Nurpur	A	305	25.4	12.7		
	B	305	25.4	12.7	37731	
	C	305	25.4	12.7		
Pathankot	A	304.8	25.4	12.7	62190	
	B	304.8	25.4	12.7	38180	
	B	304.8	25.4	12.7	37850	
	C	304.8	25.4	12.7	34735	

FORMAT III

FUELWOOD

Market	Species	Price per mt. tonnes (in Rs.)
Kolkata	Sal	618.09
	Eucalyptus	591.82
	Acacia spp.	602.27
Ranchi	Miscellaneous	236

**FORMAT IV
BAMBOOS (COMMERCIAL)**

Market	Length (cm)	Basal girth (cm)	Price per 100 Bamboos (in Rs)	Remarks
Kolkata	-	15-20	4548	
	-	21-25	5113	
	-	20-25	5000	
	-	>25	6000	
	-	25-27	5900	
	-	>27	7167	
	-	25-27	6999	
	-	>27	7778	
Ranchi	-	-	600	Sarhi
	-	-	1000	Barhi
	-	-	1400	Terra
	-	-	1600	Chhaubansa
	-	-	1700	Panchbansa
	-	-	1900	Charbansa

Note : > indicates greater than

Conversion Table

Conversion Table - 1
Weight and Volume for Forest Products

Product	Kilogram Per Cubic Metre		
	General	Coniferous	Non-Coniferous
1	2	3	4
Fuelwood	725	625	750
Charcoal	167	-	-
Pitprops	725	700	800
Pulpwood	675	650	750
Other Round Wood	750	700	800
Sawn Wood	-	550	700
Sleepers	780	-	-
Veneers Sheet	750	-	-
Plywood	650	-	-
Particle board	650	-	-
Fibreboard Compressed	950	-	-
Fibreboard non-compressed	250	-	-

Source: Director Systems, MIS & E Division, Bhopal, MP.

Conversion Table - 2
Forest Products Measures of Round Wood
Volume without Bark

S. No.	Product Unit	Solid Volume without Bark					
		Cube Metre			Cubic Feet		
		General	Coniferous	Broad Leave	General	Coniferous	Broad Leave
1	2	3	4	5	6	7	8
1	General Round Wood:						
	100 hoppus feet	36.05	-	-	1273	-	-
	Ton of 50 cubic feet (Hoppus)	1805	-	-	63.7	-	-
2	Sawlogs, Veneer logs and logs for sleepers	-	1.43	1.37	-	50.5	48.4
3	Pulpwood:						
	1 Metric ton	1.48	1.54	1.33	52.2	54.4	47
	1 Steer	0.72	-	-	25.4	-	-
	1 Cord	2.55	-	-	90	-	-
4	Pitprops:						
	1 Metric ton	1.38	1.43	1.25	48.7	50.5	44.1
	Piled cubic fathom	4.28	-	-	151.1	-	-
	1 Cord	2.416	-	-	85.3	-	-
5	Other industrial wood:						
	1 metric ton	1.33	1.43	1.25	47	50.5	44.1
	Mangrove Pole 1 piece	-	-	-	-	-	0.14
6	Fuelwood:						
	1 Metric ton	1.38	1.6	1.33	48.7	56.5	47
	1 Store	0.65	0.7	0.65	23	24.7	23
	1 Cord	2.12	-	-	74.9	-	-
	1000 Stacked Cu.ft.	18.41	-	-	650	-	-

Source: Director Systems, MIS & E Division, Bhopal, MP.

Conversion Table - 3
Wood Based Products Measures of
Roundwood Equivalent

Product	Round Wood Equivalent		
	Unit	Cubic Metres	Cubic feet
1	2	3	4
Charcoal	1 metric ton	6	212
Coniferous Sawnwood	1 cubic metre	1.67	59
Broadleaved Sawnwood	1 cubic metre	1.82	64
Sleepers	1 cubic metre	1.82	64
Plywood & Blockboard	1 cubic metre	2.3	81
Veneer Sheets	1 cubic metre	1.9	67
Particle Board	1 metric ton	2	71
Fibreboard	1 metric ton	2	71
Woodpulp:			
Mechanical	1 metric ton	2.5	88
Chemical	1 metric ton	4.9	173
Sulphite	1 metric ton	4.9	173
Sulphate	1 metric ton	4.8	169
Dissolving	1 metric ton	5.5	194
Semi Chemical	1 metric ton	3.3	117
Newsprint	1 metric ton	2.8	99
Printing & Writing Paper	1 metric ton	3.5	124
Other Paper	1 metric ton	3.25	115
Paper Board	1 metric ton	1.6	56

Source: Director Systems, MIS & E Division, Bhopal, MP.

**Conversion Table - 4
Standard Units**

1 Centimetre = 0.3937 inch	1 inch = 2.540 Cm.
1 Metre = 3.281 feet	1 foot = 0.3048 Metre
1 Metre = 1.094 Yard	1 Yard = 0.9144 Metre
1 Kilometre = 0.621 Miles	1 Mile = 1.609 Km.
1 Yard = 3 Feet	1 Mile = 1760 Yard
1 Sq. Cm. = 0.155 Sq. inch	1 Sq. inch = 6.452 Sq. cm.
1 Sq. m. = 10.76 Sq. ft	1 Sq. ft. = 0.0929 sq.m.
1 Sq. m. = 1.19599 Sq. yard	1 Sq. Yard = 0.8361 Sq.m.
1 Sq. m. = 0.3861 Sq. mile	1 Sq. mile = 2.59 Sq. Km.
1 Hectare = 0.003861 Sq. mile	1 Sq. mile = 259 Hectares
1 Hectare = 2.471 Acres	1 Acre = 0.4047 Ha.
1 Sq. Kilometre = 100 hectares	1 Sq. mile = 640 Acres
1 Cubic Cm. = 0.061 Cu. inch	1 Cu inch = 16.39 Cu. cm.
1 Cubic m. = 35.31 Cu. ft.	1 Cu. ft. = 0.02832 Cu.m.
1 Litre = 61 Cu inch	1 Cu. inch = 0.01639 Litre.
1 Litre = 0.2642 Gal (US)	1 Gal. (US) = 3.785 Litres.
1 Litre = 0.2200 Gal(IMP)	1 Gal. (IMP) = 4.546 Litres.
1 Litre = 1000 Cu. cm.	1 Gal. = 4 Quarts.
1 Metre Cube = 0.8 Tonnes	1 Tonne Charcoal = 4.4 Tonnes of Wood
1 Kilogramme = 2.205 Pounds	1 Pound = 0.4536 K.
1 Metric ton = 1.102 Short ton	1 Long ton = 0.9072 Metric ton.
1 Metric ton = 0.9842 Long ton	1 Long tonne = 1.016 Metric ton.
1 Metric ton = 19.684 Cwt. (of 112Lbs)	1 Cwt. (of 112 Lbs) = 0.0508 Metric ton.
	1 Cwt. (of 100 Lbs) = 0.04536 ton.
1 Metric tone = 22.046 Cwt (of 100 Lbs.)	
1 Quintal = .1 Metric ton.	
1 Kg. per cu.m. = 0.06243 Lb per cu. ft.	1 Lb. per cu. ft. = 16.02 Kg. per cu.m.
1 Sq. m./ha. = 4.356 Sq. ft. per acre	1 Sq. ft./acre = 0.2296 Sq. m./ha.
1 Cu.m./ha. = 14.29 Cu.ft. per acre	1 cu. ft./acre = 0.07 Cu.m./ha.
	1 Metric tone = 1 tonne

Conversion Table - 5

Acres to Hectares.

Acres	0.0	1.0	2.0	3.0	4.0	5.0
0	0.0000	0.4047	0.8094	1.2141	1.6187	2.0234
10	4.0469	4.4515	4.8562	5.2609	5.6656	6.0703
20	8.0937	8.4984	8.9031	9.3078	9.7125	10.1172
30	12.1406	12.5453	12.9500	13.3546	13.7593	14.1640
40	16.1874	16.5921	16.9968	17.4015	17.8062	18.2109
50	20.2343	20.6390	21.0437	21.4484	21.8530	22.2577
60	24.2812	24.6858	25.0905	25.4952	25.8999	26.3046
70	28.3280	28.7327	29.1374	29.5421	29.9468	30.3515
80	32.3749	32.7796	33.1843	33.5889	33.9936	34.3983
90	36.4217	36.8264	37.2311	37.6358	38.0405	38.4452
Acres	6.0	7.0	8.0	9.0		
0	2.4281	2.8328	3.2375	3.6422		
10	6.4750	6.8797	7.2843	7.6890		
20	10.5218	10.9265	11.3312	11.7359		
30	14.5687	14.9734	15.3781	15.7828		
50	22.6624	23.0671	23.4718	23.8765		
60	26.7093	27.1140	27.5186	27.9233		
70	30.7561	31.1608	31.5655	31.9702		
80	34.8030	35.2077	35.6124	36.0171		
90	38.8499	39.2545	39.6592	40.0639		

Note: Conversion Factor : 1 acre = 0.404686 hectare.

Based on 1 inch = 25.4 millimetres.

Source: Growth & Yield Statistics of Common Indian Timber Species.

Himalayan Region Vol. I, FRI & C, D. Dun.

Conversion Table - 6
Cubic Feet to Cubic Metres.

Cubic Feet	0.0	10.0	20.0	30.0	40.0
0	0.0000	0.2832	0.5663	0.8495	1.1327
100	2.8317	3.1148	3.3980	3.6812	3.9644
200	5.6634	5.9465	6.2297	6.5129	6.7960
300	8.4950	8.7782	9.0614	9.3445	9.6277
400	11.3267	11.6099	11.8931	12.1762	12.4594
500	14.1584	14.4416	14.7247	15.0079	15.2911
600	16.9901	17.2732	17.5564	17.8396	18.1228
700	19.8218	20.1049	20.3881	20.6713	20.9544
800	22.6534	22.9366	23.2198	23.5029	23.7861
900	25.4851	25.7683	26.0515	26.3346	26.6178
1000	28.3168				

Cubic Feet	50.0	60.0	70.0	80.0	90.0
0	1.4158	1.6990	1.9822	2.2653	2.5485
200	7.0792	7.3624	7.6455	7.9287	8.2119
300	9.9109	10.1940	10.4772	10.7604	11.0436
400	12.7426	13.0257	13.3089	13.5921	13.8752
500	15.5742	15.8574	16.1406	16.4237	16.7069
600	18.4059	18.6891	18.9723	19.2554	19.5386
700	21.2376	21.5208	21.8039	22.0871	22.3703
800	24.0693	24.3524	24.6356	24.9188	25.2020
900	26.9010	27.1841	27.4673	27.7505	28.0336

Source: Growth & Yield Statistics of Common Indian Timber Species
Himalayan Region Vol. I, FRI & C, D. Dun.

Note: Conversion Factor : 1 cubic foot = 0.0283168 cubic metre.
Based on 1 inch = 25.4 millimetres.

Conversion Table - 7
Cubic Meters to Cubic Feet.

Cubic Metres	0.0	1.0	2.0	3.0	4.0
0	0.00	35.31	70.63	105.94	141.26
10	353.15	388.46	423.78	459.09	494.41
20	706.29	741.61	776.92	812.24	847.55
30	1059.44	1094.76	1130.07	1165.39	1200.70
40	1412.59	1447.90	1483.22	1518.53	1553.85
50	1765.74	1801.05	1836.36	1871.68	1906.99
60	2118.88	2154.20	2189.51	2224.83	2260.14
70	2472.03	2507.34	2542.66	2577.97	2613.29
80	2825.18	2860.49	2895.81	2931.12	2966.43
90	3178.32	3213.64	3248.95	3284.27	3319.58
100	3531.47				

Cubic Metres	5.0	6.0	7.0	8.0	9.0
0	176.57	211.89	247.20	282.52	317.83
20	882.87	918.18	953.50	988.81	1024.13
30	1236.01	1271.33	1306.64	1341.96	1377.27
40	1589.16	1624.48	1659.79	1695.11	1730.42
50	1942.31	1977.62	2012.94	2048.25	2083.57
60	2295.46	2330.77	2366.08	2401.40	2436.71
70	2648.60	2683.92	2719.23	2754.55	2789.86
80	3001.75	3037.06	3072.38	3107.69	3143.01
90	3354.90	3390.21	3425.53	3460.84	3496.16
100					

Source: Growth & Yield Statistics of Common Indian Timber Species
Himalayan Region Vol. I, FRI & C, D. Dun

Note: Conversion Factor : 1 cubic metre = 35.3147 cubic feet.
Based on 1 inch = 25.4 millimetres.