



WELCOME TO TRIPTI

We at Tripti Wood Seasoning Plant provide best solution to drying & Speed of Drying of the wood. The method and technology we use is "KILN".



- NO MESSY COAL REQUIRED
- NO PIPE LINES FOR STEAM
- MOST ENERGY EFFICIENT UNITS
- TOTALY POLUTION FREE



WOOD SEASONING

WHY WOOD SEASONING

A large quantity of timber used in India is not properly dried or seasoned & treated resulting into development of defects like warping, cracking, splitting or decay and insect attack in the products.

In Western countries Timber is not allowed to come out from saw mill unless it is seasoned and treated. It is compulsory to season and treat.

A scientific study of wood seasoning process is important, as a large number of commercially important timber species is very problematic to seasoning. Climatic conditions also are very exacting for various wood works such as joinery, furniture, handicraft products etc. During recent years the need of seasoning in timber has become imperative due to the compulsion of use of timber from short rotation plantations. The Wood Seasoning branch undertakes research work related to the drying behavior of wood, study of shrinkage and wood-water relationship and evaluation of kiln drying schedules. Other priorities include investigation for suitability of Indian timber for industrial uses such as pencil making, wooden accessories used in cotton & jute mills, and shoe lasts as well as investigation of bending behavior of different timber species for making bent wood articles.

Wood, a renewable material, occupies a prime position as a raw material, Its versatile Nature has made it unique in many applications. In most of the uses of wood, longevity of wood is very important.



WE BELIEVE IN
QUALITY

Committed to constant improvement we have earned a reputation for high quality and responsiveness amongst our customers.

ABOUT OUR WOOD SEASONING

A scientific study of wood seasoning process is important, as a large number of commercially important timber species is very problematic to seasoning. Climatic conditions also are very exacting for various wood works such as joinery, furniture, handicraft products etc. During recent years the need of seasoning in timber has become imperative due to the compulsion of use of timber from short rotation plantations. The Wood Seasoning branch undertakes research work related to the drying behavior of wood, study of shrinkage and wood-water relationship and evaluation of kiln drying schedules. Other priorities include investigation for suitability of Indian timber for industrial uses such as pencil making, wooden accessories used in cotton & jute mills, and shoe lasts as well as investigation of bending behavior of different timber species for making bent wood articles.

OUR COMPANY PROFILE

WE ARE EXPERT SINCE 1987. We wish to introduce ourselves as one of the leading manufacturers of Tripti Wood Seasoning since year 1987 under the blissful headship of the honorable CEO Mr. Amit Khanna. We have vast experience in this field and have grown to be a leading manufacturer.



QUALITY ASSURANCE

Owing to the priority to serve flawless quality products, various stringent quality tests are conducted on the manufactured as well as procured in wood seasoning plant. The tests are conducted on various levels starting from the initial stage of procurement to the final stage of dispatch of end products. For fuller assurance, the tests are performed under the supervision of our quality control executives.



WAREHOUSE

We have a spacious warehouse facility that is loaded with all the essential facilities that are required for the safe & sound storage of the wood seasoning plant. The internal segmentation of the warehouse as per the category of the products ensures timely delivery as the chaos is eliminated.



INFRASTRUCTURE

Our state-of-the-art infrastructure unit is backed with technologically advanced tools and machineries that assist in the quality and quantity production of wood seasoning plant. The robust infrastructural base encompasses processing unit, designing lab, R & D unit, quality control lab etc. That help in manufacturing of the wood seasoning Plants comply with the national as well as international quality norms.

OUR PROJECT



WHY SEASONING REQUIRED

Green Wood in growing trees contains considerable quantities of water/moisture. Most of this moisture has to be removed in order to obtain satisfactory performance from the wood in use. Freshly felled wood contains moisture roughly 100 percent based on the oven dry weight of wood. A well seasoned piece of wood should on other hand contain only 10 to 12 percent moisture. An important object of seasoning is to dry the timber to the equilibrium moisture content before use, so that gross dimensional changes through shrinkage, which inevitably occurs in green wood as it tends to attain equilibrium with the surrounding atmosphere, are eliminated.



Benefits of SEASONING

India is a tropical country and has more than 80 species of wood. Following are a few varieties of timbers commonly used for producing hand crafted wooden products: Pine (Abies Pindrow), Sheesham (Dalbergia Sissoo), Haldu (Adiva Cardifolia), Rubberwood (Hevea Brasiliensis), Kadam (Anthcephalus Chinensis), Kanju (Haloptelea lategrifoha), Gamari (Cmelina Arborea) and Mango (Mangifera Indica). The use of mango and rubber woods is increasing as these are plantation woods, Moisture content in wood also plays a critical role in quality and finish of the product.

Technical DataSheet

TRIPTI WOOD SEASONING PLANTS

Estimated Energy Consumption for 8 days working for Room Size of 9' x9' x10'

DAY	FAN MOTOR			HEATER			WATER REMOVAL UNIT			
	Watts 1HP=.75KW	Working Hours	Units	3 X 750 Watts	Working Hours	Units	1 X 2500	Working Hours	Units	
1	750	24	18	2250	24	54	2500	20	50	
2	750	24	18	2250	18	40.5	2500	16	40	
3	750	24	18	2250	14	31.5	2500	12	30	
4	750	24	18	2250	12	27	2500	8	20	
5	750	24	18	2250	8	18	2500	6	15	
6	750	24	18	2250	6	13.5	2500	4	10	
7	750	24	18	2250	4	9	2500	3	7.5	
8	750	24	18	2250	3	6.75	2500	2	5	
			144				200.25			

Total units consumed for 8 days

521.75

Cost per unit in Rs.

10

Total Cost of Electricity for 8 days

5217.5

TECHNICAL DETAILS FOR TRIPTI WOOD SEASONING PLANT													
CHAMBER SIZE SQ FT 10'HEIGHT	QTY OF WOOD (Cuft)	WATER REMOVAL UNIT (Nos)	WATER REMOVAL UNIT MODEL WSP	WATER REMOVAL UNIT TOTAL LOAD kw		FANS (Nos)	FAN TOTAL LOAD		HEATERS (Nos)	HEATING LOAD KW		TOTAL LOAD	
				1PHASE	3 PHASE		1 PHASE	3 PHASE		1 PHASE	3 PHASE	1 PHASE	3 PHASE
800	2400	4	200	14	5	8	6	2	12	12	4	32	11
600	1800	2	300	12	4	6	4.5	1.5	9	9	3	25.5	8.5
400	1200	2	200	7	2.5	4	3	1	6	6	2	16	5.5
300	900	2	150	6	2	2	1.5	0.5	6	6	2	13.5	4.5
200	600	1	200	3.5	1.5	2	1.5	0.5	3	3	1	8	3
150	450	1	150	3	1.25	1	1	0.5	3	2.25	0.75	7	2.5
100	300	1	100	2.5	1	1	0.75	0.3	3	2.25	0.75	5.5	2.05

Add 10% for safety factor

All electricals load in appx just to give an load estimation

Perfect Airconditioning Trading Company
A-269 Okhla Industrial Area-I, New Delhi-110020, India
Tel: 011-26817098,26817099,26811831,26811832, 41811832
email: ac@tripti.in Website: www.woodseasoningplant.com

TRIPTI
ISO 9001 : 2015 CERTIFIED