

PRODUCT PROFILE/ PRODUCT REPORT ON OFFICE FURNITURE (WOODEN CHAIR & TABLE)



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Executive Summary

There are more than 20,000 registered MSMEs Wooden Furniture manufacturing enterprises ; 96% are Micro enterprises; 3.7% are Small and only 0.3% Medium enterprises in India. There may be more than equal no. unregistered micro units. The office furniture market in India is projected to grow to \$ 13.58 billion by 2021, at a compound annual growth rate of more than 20 per cent over the forecast period. Local Micro & Small (unorganized) players mostly dominate the furniture market in India. The Indian furniture market is witnessing an increase in the contribution of the organised players. In recent years, with the entry of global furniture players like, IKEA in India, this growing in the market shares by organised players will further intensify. The office furniture industry accounts for 20% of the total furniture sales in the country, next to domestic furniture(65%). This segment has witnessed rapid growth in recent years, in line with the growth in the Indian economy and subsequent demand for office space particularly with the growth of domestic clerical firms, overseas invested firms, technology parks, IT Sector, banking Sector, insurance Sector & health Sector. The market is also witnessing a rapid change in ergonomic designs office chair which will allow to sit with the correct posture and take pressure off back which is absolutely vital in maintaining health and keeping pain levels down if one have to sit for 6-8 hours per day in office. Furniture manufactures considers several aspects related to customer demand such as functionality, look, feel, aesthetic value, Safety, comforts etc, while designing furniture. Wooden furniture being a eco-friendly products, has more demand than other furniture materials.

The average export values of office furniture (wooden chairs & table) is INR 18.64 Cr and Import values is of INR 161.37 Cr. during 2017-18 & 2018-19 with a trade deficit of INR 142.73 Cr. The Product Report is prepared to draw a road map to ensure import to the minimum level and boost up export to a maximum level and to be a trade surplus

In India, manual operation /Low cost obsolete technology to be replaced with modern technology with digital manufacturing , CNC machinery in all processes & operations includes lathe turning, drilling, laser cutting, engraving, milling and wood routers and modern & fast drying technology - Infrared and UV drying system to adopt mass production lines for production of world class quality, high productivity with a competitive price & shortest delivery time to minimize imports. Dismantling / Folding furniture production is required for export purpose through this CNC machinery & fast drying system only to produce crack free, bending free and termite free (Zero Defect) furniture.

Some champions MSMEs shall focus on production of import substitution and export oriented office furniture by adoption of Industry 4.0 and ergonomics design , besides aesthetic look, beauty , safety & strength, comforts by setting up common facilities centre(though installation of CNC machinery and modern fast drying System) with financial support under MSE-CDP scheme in cluster level and CLCS-TUS scheme in individual level. Financial support for AIOTA certification, International certification applicable for exports purposes may be considered.

CNC machinery and Fast drying system are costly & capital intensive and machinery supplier shall produce in India at a affordable cost with a aim to supply the same widely to micro & small wooden furniture manufacturing MSEs . Skilled persons with a attitude to quality &Safety required to operate CNC machinery in Wood Processing Industries and there is a requirements of training for CNC Skilling through MSME-Technology Centres.

The existing CLCS-TUS scheme may be considered for upgradation with 25-50% subsidy on modern machinery procurement(CNC etc) to MSEs for 50-100% export oriented office furniture manufacturing MSEs

More associationsformation of Wooden Furniture manufacturing in state and national level may be encouraged with aim of production of world class furniture , creation of more export oriented units and frequent organization of high class Furniture Expo (Trade Fair) throughout the country with concerned stake holders. The International Furniture Expo display the best quality Indian furniture, imported furniture and modern wood processing machinery to the furniture manufacturing MSMEs, machinery manufacturers and consumers for creation of a ambience for production world class furniture in our country.

COMMERCIAL DETAILS



1.1 HSN code of the product

940330 for Office Wooden furniture

1.2 NIC code of the product

31001 Manufacture of Furniture made of Wood.

1.3 Clusters already existing on the product if any(Data from Cluster division of HQ)

a) Completed Cluster under MSE-CDP Scheme

Wood Furniture Cluster, Ernakulam, Kerala

b) Ongoing Clusters under MSE-CDP Scheme

Furniture Cluster, Thrissur, Kerala

Furniture Industry Cluster, Mandankavu, Kozhikode, Kerala

Wooden Furniture Cluster, Dimapur, Nagaland

Wooden Furniture Cluster, Salem, Tamil Nadu

1.4 Possibility to create establish Clusters on the product:

There are around 150 nos. of clusters on Wood Processing/ Wooden Furniture/ Wood Manufacturing which have been identified through out India on the concept of " 10 clusters per district". These cluster needs intervention under MSE-CDP/SFURTI/Lean Manufacturing/ ESDP/ ZED Schemes for development clusters. Majority of identified clusters are located in the state of Gujarat, Uttar Pradesh, Punjab, Haryana, Bihar, Chhattisgarh , Kerala & Karnataka.

Besides above, there is an excellent scope of establishing office furniture clusters under MSE-CDP scheme. The Unorganised(MSEs) furniture industries in India dominates furniture market with approx 75% share of total furniture market. With the setting up Common Facilities Centre (CFC), the common issues of local units like raw materials, modern technology (Ergonomics design, CNC machines, UV / INFRARED Drying etc), testing & Certification, training for skill development, branding & marketing , Credit flow could be settled & resolved. These cluster units can avail the MSME Public Procurement Policy(25% minimum of total procurements) to penetrate in government purchase programme and also through GeM registration vis-a-vis growth of MSEs furniture manufacturing industries.

1.5 Probable areas or districts where the products product manufacturing or project can be established:

The probable areas are in the state of Uttar Pradesh, Gujrat, Punjab, Haryana, West Bengal, Bihar, Chhatisgarh , Kerala & Karnataka.

The assessment of most suitable site for establishment of furniture project determined by following factors:

A.Infrastructure , Utilities & Skilled labour

- i) Availability of Land and its cost
- ii)Access to transport & Roadways
- iii)Availability of utilities-Electricity, Water, Communication & Telephone
- iv)Availability of Raw materials like hardwood, Boards, Plywoods etc.
- v)Availability of local skilled labour and its cost
- vi) Proximity to Markets, Seaports etc

B. Sources of Raw materials :The major suppliers of raw materials like wood are Uttar Pardesh, Uttarakhand, Kerala, Punjab, Haryana, West Bengal, Andhra Pradesh, Madhya Pradesh, Gujrat. The district of these states where large area are covered with dense forest areaaswell as its neighbouring districts/states are the probable project areas as the major raw materials (wood) are easily available from these areas, provided good Infrastructure & Utilities & Skilled labours are available.

C. Proximity to big market: The most commercial space absorbed in India is predominantly contributed by Bangalore followed by NCR, Mumbai, Hyderabad, Chennai, Kolkata, Bhubaneswar. The govt. office space is predominantly contributed by New Delhi , followed by capital of respective states. The office furniture havea excellent market in these cities and towns in India. There is excellent scope of setting furniture projects in the above mentioned cities or its near area/ district as there is a ready made big market for office furniture. There is huge scope of exports of furniture to the various countries in the world and details are given in Sl.1.12.

1.6 Number of industries registered as MSME is available in the manufacturing of the product (Data division/NIC Division of HQ)

State Wise total MSME Registered under UDYAM Registration for 31001 - Manufacture of furniture made of wood					
Sl. No.	State	Micro	Small	Medium	Total
1	ANDHRA PRADESH	192	9	1	202
2	ARUNACHAL PRADESH	15	0	0	15
3	ASSAM	185	7	0	192
4	BIHAR	973	4	0	977
5	CHHATTISGARH	181	7	0	188
6	GOA	54	2	0	56
7	GUJARAT	1325	41	9	1375
8	HARYANA	594	43	5	642
9	HIMACHAL PRADESH	116	1	0	117
10	JHARKHAND	372	2	0	374
11	KARNATAKA	997	46	6	1049
12	KERALA	884	39	3	926
13	MADHYA PRADESH	643	16	3	662
14	MAHARASHTRA	2938	108	15	3061
15	MANIPUR	328	0	0	328
16	MEGHALAYA	7	1	0	8
17	MIZORAM	108	0	0	108
18	NAGALAND	17	0	0	17
19	ODISHA	232	1	2	235
20	PUNJAB	674	13	0	687
21	RAJASTHAN	3038	135	8	3181
22	SIKKIM	1	0	0	1
23	TAMIL NADU	1527	45	3	1575
24	TELANGANA	312	21	0	333
25	TRIPURA	10	0	0	10
26	UTTAR PRADESH	1887	88	6	1981
27	UTTARAKHAND	206	6	1	213
28	WEST BENGAL	400	22	1	423
29	ANDAMAN AND NICOBAR ISLAN	73	0	0	73
30	CHANDIGARH	33	0	0	33
31	DADAR AND NAGAR HAVELI	8	1	0	9
32	DAMAN AND DIU	2	0	0	2
33	DELHI	628	82	3	713
34	JAMMU AND KASHMIR	396	15	1	412
35	LADAKH	27	0	0	27
36	LAKSHADWEEP	0	0	0	0
37	PUDUCHERRY	17	0	0	17
	Total:-	19400	755	67	20222

**State Wise total MSME Registered under UDYAM Registration
for 31001 - Manufacture of furniture made of wood**

Sl. No.	State	Micro	Small	Medium	Total
1	ANDHRA PRADESH	192	9	1	202
2	ARUNACHAL PRADESH	15	0	0	15
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6	GOA	54	2	0	56
7	GUJARAT	1325	41	9	1375
8	HARYANA	594	43	5	642
9	HIMACHAL PRADESH	116	1	0	117
10	JHARKHAND	372	2	0	374
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13	MADHYA PRADESH	643	16	3	662
14	MAHARASHTRA	2938	108	15	3061
15	MANIPUR	328	0	0	328
16	MEGHALAYA	7	1	0	8
17	MIZORAM	108	0	0	108
18	NAGALAND	17	0	0	17
19	ODISHA	232	1	2	235
20	PUNJAB	674	13	0	687
21	RAJASTHAN	3038	135	8	3181
22	SIKKIM	1	0	0	1
23	TAMIL NADU	1527	45	3	1575
24	TELANGANA	312	21	0	333
25	TRIPURA	10	0	0	10
26	UTTAR PRADESH	1887	88	6	1981
27	UTTARAKHAND	206	6	1	213
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29	ANDAMAN AND NICOBAR ISLANDS	73	0	0	73
30	CHANDIGARH	33	0	0	33
31	DADAR AND NAGAR HAVELI	8	1	0	9
32	DAMAN AND DIU	2	0	0	2
33	DELHI	628	82	3	713
34	JAMMU AND KASHMIR	396	15	1	412
35	LADAKH	27	0	0	27
36	LAKSHADWEEP	0	0	0	0
37	PUDUCHERRY	17	0	0	17
	Total:-	19400	755	67	20222

1.7 Number of industries available in large scale industries(To be obtained from State Government).

The following information are collected from Internet

The large scale furniture manufactures in India are:

- a) Godrej Interio.
- b) Zuari
- c) Durian
- d) Darmo
- e) Nilkamal
- f) AFC System, Noida
- g) Plaza, Delhi
- h) Modular Furniture, Noida
- i) VliteFurnitech, Wadala, Maharashtra
- j) Valas, Ahmedabad, Gujarat.
- k) Bharat Seating System, Mumbai.

1.8 Data about the imports of this product for the past three years(From DC office website)

Value in Crores(Rs.)

Product	Materials	2017-18	2018-19	2019-20
Office Furniture (Imports)	Wooden Chairs, Wooden Tables, etc	161.049664	161.708491	132.641273

1.9 Data available for the exports against this product for the past two years(From DC office website)

Values in Crores(Rs.)

Product	Materials	2017-18	2018-19
Office Furniture (Exports)	Wooden Chairs, Wooden Tables, etc	18.594432	18.690984

1.10 Scope for the number of unit's per number of years can be established further

There are normally three segments in furniture market -Domestic furniture (65%), Office Furniture(20%), Hospital, hotel & Restaurant furniture (15%). Due to growth in every segments, there will be growth in furniture market around 20% per year. Every year ,there are around INR 132-161 Crores of office furniture imported in India . Considering manufacturing office furniture ,equivalenttoimported furniture in India and capturing this imported marketsegment , there will be additional business of INR.161 Crores besides 20 % growth in office furniture annually. Accordingly, there is a projection of setting up large nos MSMEs , 2000nos approx furniture manufacturing units per year and it shall be established in industrial town & near by area with a very good industrial infrastructure & market prospects, near to ports for exports purposes as well as the proximity to forest areas for easy availability of raw materials (hard wood/ Panel wood).

1.11 The demand in the domestic market

The office furniture market in India is projected to grow to \$ 13.58 billion by 2021, at a compound annual growth rate of more than 20 per cent over the forecast period, says a recent report.

The furniture market in India, which is largely dominated by the unorganised sector, office furniture segment is one of the major revenue generators of the overall furniture market in India and accounted for a 20.45 per cent of market share in 2014. Indian furniture market is multiplying & it is expected to be more than 27 billion USD by the end of the year 2027. India is expected to become an USD 5 trillion economy by 2025, with an annual growth rate of more than 7% thus making the furniture market in India a billion dollar opportunity. Small unorganised local players mostly dominate the furniture market in India. The Indian furniture market is witnessing an increase in the contribution of the organised players. In recent years, with the entry of global furniture players like, IKEA in India, this growing in the market shares by organised players will further intensify.

The increase in knowledge about designs, wood materials, and pricing schemes has propelled the Indian customer to choose more branded products.

Office furniture market includes products such as stacking chairs, ergonomic chairs, tables, stools, and benches. The office furniture segment caters to the commercial and office space. This segment has witnessed rapid growth in recent years, in line with the growth in the Indian economy and subsequent demand for office space particularly with the growth of domestic clerical firms, overseas invested firms, technology parks, IT Sector, banking Sector, insurance Sector & health Sector.

With a healthy growth in the past decade and amidst the forecasts of even better future trends, the competition in the furniture market has become intense and companies are increasingly focusing on customising pre-sales and post-sales services as per customer needs.

The market is also witnessing a rapid change in ergonomic designs office chair which will allow to sit with the correct posture and take pressure off back which is absolutely vital in maintaining health and keeping pain levels down if one have to sit for 6-8 hours per day in office.

In the past, India was observed as the largest importer of furniture in the world. This has heightened competition amongst local players and e-commerce companies dealing in furniture.

The office furniture industry accounts for 20% of the total furniture sales in the country, next to domestic furniture(65%). The growing popularity of B2B e-commerce platforms has also contributed to the rise in import levels in this sector. The furniture industries classified on various parameters viz.

a) By Material

- Wood (Teak, Sheesham, Sal, Walnut, Sandal, Ebony, Rosewood, Red Cedar,)
- Metal(Steel, Aluminium)
- Plastics
- Others(Bamboo, Cane)

Among all these, wooden furniture contributes a large segment(65%) to the furniture made in India. In the crafting of wooden furniture, mostly, indigenous wood is preferred. States like Punjab, Uttar Pradesh, Gujarat, Jammu & Kashmir, West Bengal, Kerala&Andra Pradesh are among the leading suppliers of wood to Indian Furniture market. However, imported wood is also used which is imported from south east Asian countries & some from African Countries. Furniture manufactures considers several aspects related to customer demand such as functionality, look, feel, aesthetic value, Safety, comforts etc, while designing furniture.

b) By Products

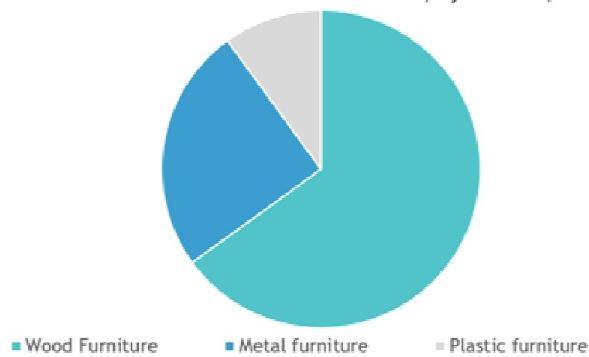
- Seating (Office Chairs, Guest Chairs, Stools, Sofa, Others)
- Storage Units (Bins & Shelves, Cabinets, Others)
- Workstation (Individual Workstation, Collaborative Workstation, Others)
- Tables (Conference Tables, Occasional Tables, Others)
- Other Accessories

c) Distribution Channel

- Offline
- Online

There is a good demand of imported furniture in India and there is a huge scope of manufacturing of these type furniture as a imported substitute product and becoming a *Aatmanirbhar Bharat*. Countries from where office furniture imported to a larger extent are China, Belgium, Finland, Germany, Italy, USA, UK, Arab Emirates, Sri Lanka, Singapore, Netherlands & others .India's import data (Values) alongwith country for last three years i.e2018, 2019 & 2020 are given herewith.

India Office Furniture Market Share, By Material, 2018



India's Import including re-import By Commodity

(DESCRIPTION For 6 Digit) By Country From Jan-2018 To Dec-2018

Hs Code	Commodity	Country	December, 18 Value(INR)	January, 18 To December, 18 Value(INR)
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRALIA	2337982	10742688
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRIA	659135	26291039
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BANGLADESH PR	1572520	4350602
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BELGIUM	0	21509366
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BHUTAN	0	38781
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BOTSWANA	0	7997
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRAZIL	1058154	12277218
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CAMBODIA	0	29205
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CANADA	0	34730374
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHINA P RP	258175368	2190528120
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CZECH REPUBLIC	0	7798

940330	WOODEN FRNTR OF A KND USED IN OFFICES	DENMARK	0	1931311
940330	WOODEN FRNTR OF A KND USED IN OFFICES	EGYPT A RP	0	57032
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ESTONIA	0	700350
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FINLAND	2011583	35759502
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FRANCE	6507820	12617505
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GERMANY	2252470	147689252
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HONG KONG	3865857	92305997
940330	WOODEN FRNTR OF A KND USED IN OFFICES	INDONESIA	602514	6458869
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRELAND	7424081	11909296
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ISRAEL	0	32900
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ITALY	1020165	122703058
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JAPAN	707934	1782660
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KOREA RP	2675353	38727381
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LITHUANIA	1000885	6213799
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAYSIA	52344543	1057279924
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MEXICO	0	22246
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEPAL	0	127893

940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLAND	0	24116801
940330	WOODEN FRNTR OF A KND USED IN OFFICES	OMAN	0	1097258
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PHILIPPINES	0	3964648
940330	WOODEN FRNTR OF A KND USED IN OFFICES	POLAND	244361	4298459
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PORTUGAL	0	6523661
940330	WOODEN FRNTR OF A KND USED IN OFFICES	QATAR	0	1484428
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SAMOA	0	1712562
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SAUDI ARAB	0	30825
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SINGAPORE	139802466	617585829
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVENIA	0	1781658
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOUTH AFRICA	0	134852
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SPAIN	76216	28450638
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SRI LANKA DSR	7620961	103900189
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWEDEN	0	17127001
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWITZERLAND	38905	10074796
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TAIWAN	376217	3921189
940330	WOODEN FRNTR OF A KND USED IN OFFICES	THAILAND	12839	4091087

940330	WOODEN FRNTR OF A KND USED IN OFFICES	TURKEY	124221	17067391
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U ARAB EMTS	1739662	67128834
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U K	5501996	67191961
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U S A	3758377	133493682
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UKRAINE	0	1152228
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UNSPECIFIED	0	52325
940330	WOODEN FRNTR OF A KND USED IN OFFICES	VIETNAM SOC REP	0	2236823

India's Import including re-import By Commodity (DESCRIPTION For 6 Digit) By Country From Jan-2019 To Dec-2019

Hs Code	Commodity	Country	December, 19 Value(INR)	January, 19 To December, 19 Value(INR)
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRALIA	0	3071925
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRIA	0	9484020
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BANGLADESH PR	0	8192726
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BELGIUM	0	4200931
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BHUTAN	0	28000
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRAZIL	0	12834550
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CANADA	6138878	96429424
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHINA P RP	97091505	1586964941

	USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CZECH REPUBLIC	102153	113302
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DENMARK	41866	1162966
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FINLAND	5606452	46338146
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FRANCE	634364	7986265
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GERMANY	3055440	44825452
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HONG KONG	9892223	209687900
940330	WOODEN FRNTR OF A KND USED IN OFFICES	INDONESIA	817463	11642395
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRELAND	1287208	14313448
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ITALY	16541095	152058088
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JAPAN	324111	3559352
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KOREA RP	81601	35714864
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LATVIA	0	180532
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LITHUANIA	704087	7834641
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAYSIA	61162446	832312186
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MYANMAR	0	30899
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLAND	0	5030346
940330	WOODEN FRNTR OF A KND USED IN OFFICES	OMAN	0	3207672

	USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	POLAND	149750	2589077
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PORTUGAL	1665128	8741484
940330	WOODEN FRNTR OF A KND USED IN OFFICES	QATAR	0	4158
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RUSSIA	0	199285
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SINGAPORE	4389007	302974119
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVENIA	0	21277
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOUTH AFRICA	0	1026732
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SPAIN	2424995	29881184
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SRI LANKA DSR	8521884	113701406
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWEDEN	1211464	6575695
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWITZERLAND	9940191	32344590
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TAIWAN	0	4187323
940330	WOODEN FRNTR OF A KND USED IN OFFICES	THAILAND	2055941	36087386
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TURKEY	89874	10475373
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U ARAB EMTS	3118445	25445483
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U K	16655506	165290503
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U S A	7313101	67966755

	USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UKRAINE	0	26436
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UNSPECIFIED	0	798808
940330	WOODEN FRNTR OF A KND USED IN OFFICES	VIETNAM SOC REP	0	17172026

India's Import including re-import By Commodity (DESCRIPTION For 6 Digit) By Country From Jan-2020 To Dec-2020

Hs Code	Commodity	Country	December, 20 Value(INR)	January, 20 To December, 20 Value(INR)
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRALIA	0	136506
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRIA	0	22150611
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BANGLADESH PR	0	3645494
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BELGIUM	0	3149451
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRAZIL	0	4771152
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CANADA	0	11275583
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHINA P RP	0	786837850
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CYPRUS	0	84555
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CZECH REPUBLIC	0	3898587
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DENMARK	0	22858841
940330	WOODEN FRNTR OF A KND	EGYPT A RP	0	26358

	USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ESTONIA	0	7593408
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FINLAND	0	55592696
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FRANCE	0	569230
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GERMANY	0	16809080
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HONG KONG	0	195762884
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HUNGARY	0	15914893
940330	WOODEN FRNTR OF A KND USED IN OFFICES	INDONESIA	0	3024844
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRELAND	0	13722366
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ITALY	0	154363807
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JAPAN	0	5793825
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KOREA RP	0	7227492
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KUWAIT	0	1605
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LITHUANIA	0	1923459
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAWI	0	12004
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAYSIA	0	390212069
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLAND	0	3424474
940330	WOODEN FRNTR OF A KND USED IN OFFICES	OMAN	0	117976

	USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	POLAND	0	11243757
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PORTUGAL	0	5579786
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RUSSIA	0	2771
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SINGAPORE	0	49844258
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVENIA	0	346484
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SPAIN	0	4538046
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SRI LANKA DSR	0	49212148
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWEDEN	0	110277
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWITZERLAND	0	23925136
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TAIWAN	0	285994
940330	WOODEN FRNTR OF A KND USED IN OFFICES	THAILAND	0	4669361
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TURKEY	0	8009155
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U ARAB EMTS	0	14381060
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U K	0	25037734
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U S A	0	36704725
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UKRAINE	0	37176
940330	WOODEN FRNTR OF A KND USED IN OFFICES	VIETNAM SOC	0	1303484

	USED IN OFFICES	REP		
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The top ports of importing office furniture in India are

- Bangalore ICD
- NhavaSheva Sea
- Chennai Sea
- Hyderabad
- Tughlakbad

1.12Demand of the Export Market :There is a demand of office furniture in most of the countries in the world. Office furniture export from India has shown significant growth with time. In year 2009, the total value of office furniture export was USD 0.19 million, whereas the data of 2018 states that the total export value is USD 0.25 million with a highest export value of USD 1.31 million in 2015. India's exports data (value) alongwith country for last three years i.e. 2018, 2019 & 2020 are given herewith. Countries where Indian office furniture was exported to large extent are France, Germany, Ghana, United Arab Emirates, USA, Australia, Oman, Israel, Belgium, Netherland, Nepal, Malaysia, Algeria, Bangladesh, Bhutan, Myanmar, Sri Lanka, China & others.

India's Export including re-export By Commodity (DESCRIPTION For 6 Digit) By Country From Jan-2018 To Dec-2018

Hs Code	Commodity	Country	December, 18 Value(INR)	January, 18 To December, 18 Value(INR)
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ALGERIA	0	216569
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ARGENTINA	0	439371
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRALIA	5846317	69827883
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRIA	570700	6605557
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BAHAMAS	24167	24167
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BAHARAIN IS	717763	18341784
940330	WOODEN FRNTR OF A	BANGLADESH PR	0	216424

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BARBADOS	0	1584292
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BELGIUM	5416912	44498366
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BHUTAN	157450	3874683
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRAZIL	0	631214
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CAMEROON	0	211558
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CANADA	2257033	42281906
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHILE	497472	3816699
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHINA P RP	673521	13080400
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COLOMBIA	588567	2656354
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COMOROS	0	203244
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CONGO P REP	0	91195
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COSTA RICA	0	76818
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CROATIA	247775	1222258
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CUBA	0	1225073
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CYPRUS	0	911161
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CZECH REPUBLIC	0	1459994
940330	WOODEN FRNTR OF A	DENMARK	83946	16553742

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DOMINIC REP	0	1329618
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ECUADOR	0	640402
940330	WOODEN FRNTR OF A KND USED IN OFFICES	EGYPT A RP	0	2961109
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ETHIOPIA	0	1841825
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FIJI IS	73973	3862793
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FINLAND	0	713614
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FRANCE	6240910	107464600
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GABON	0	211558
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GAMBIA	0	103380
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GERMANY	8388087	136166877
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GHANA	0	3375721
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GREECE	137452	2950300
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GUATEMALA	0	2822976
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GUINEA	0	36031
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HAITI	0	159528
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HONG KONG	153900	414689
940330	WOODEN FRNTR OF A	ICELAND	0	511132

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	INDONESIA	0	3371888
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRAN	0	663981
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRAQ	0	5855161
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRELAND	0	414278
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ISRAEL	4128205	13361418
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ITALY	2467930	27103678
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JAPAN	0	8586180
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JORDAN	0	375069
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KENYA	46783	1195860
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KOREA RP	650441	9518019
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KUWAIT	117244	15191421
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LATVIA	0	237472
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LEBANON	0	3604570
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LIBYA	0	105924
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MADAGASCAR	0	39228
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAWI	0	2887
940330	WOODEN FRNTR OF A	MALAYSIA	840227	14835609

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALDIVES	1512377	7354616
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALTA	397449	4868384
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MAURITIUS	0	1744741
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MEXICO	566749	3141836
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MONGOLIA	0	117612
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MOROCCO	0	205392
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MYANMAR	27771	27771
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NAMIBIA	0	1563619
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEPAL	2170101	31779023
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLAND	21552355	189746618
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLANDANTIL	0	197131
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEW CALEDONIA	0	248425
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEW ZEALAND	462554	4668729
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NIGERIA	0	303099
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NORWAY	795319	5147484
940330	WOODEN FRNTR OF A KND USED IN OFFICES	OMAN	16176779	94319694
940330	WOODEN FRNTR OF A	PANAMA REPUBLIC	0	431404

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PARAGUAY	0	619465
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PERU	0	416430
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PHILIPPINES	0	1761629
940330	WOODEN FRNTR OF A KND USED IN OFFICES	POLAND	1063126	19374781
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PORTUGAL	352908	4287841
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PUERTO RICO	0	30128
940330	WOODEN FRNTR OF A KND USED IN OFFICES	QATAR	1605228	6313147
940330	WOODEN FRNTR OF A KND USED IN OFFICES	REUNION	9434	2119677
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ROMANIA	1426428	2413719
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RUSSIA	283913	1572054
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RWANDA	0	1276870
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SAUDI ARAB	11076424	21730908
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SENEGAL	0	701347
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SERBIA	0	24439
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SEYCHELLES	141609	1044127
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SIERRA LEONE	0	6819
940330	WOODEN FRNTR OF A	SINGAPORE	2233276	10459274

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVAK REP	0	113695
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOUTH AFRICA	45201	7121228
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SPAIN	781157	19152507
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SRI LANKA DSR	0	10482721
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWEDEN	947119	14397755
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWITZERLAND	0	2483892
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TAIWAN	0	795155
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TANZANIA REP	0	5526899
940330	WOODEN FRNTR OF A KND USED IN OFFICES	THAILAND	473406	2158057
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TRINIDAD	0	5552
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TUNISIA	125037	136736
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TURKEY	0	4141260
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U ARAB EMTS	3431357	90727716
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U K	12182235	111660155
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U S A	67331199	1004607881
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UGANDA	0	335132
940330	WOODEN FRNTR OF A	URUGUAY	0	1368383

	KND USED IN OFFICES			
940330	WOODEN FRNTR OF A KND USED IN OFFICES	VIETNAM SOC REP	14648	2257363
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ZAMBIA	0	2784328

India's Export including re-export By Commodity (DESCRIPTION For 6 Digit) By Country From Jan-2019 To Dec-2019

Hs Code	Commodity	Country	December, 19 Value(INR)	January, 19 To December, 19 Value(INR)
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ALGERIA	0	581532
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ANGOLA	0	8
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ARGENTINA	0	124759
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRALIA	9235908	83940781
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRIA	448416	8598327
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BAHARAIN IS	0	2456432
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BANGLADESH PR	0	2183327
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BELGIUM	3205795	59037117
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BHUTAN	0	6855547
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRAZIL	425968	660355
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRUNEI	0	156226

940330	WOODEN FRNTR OF A KND USED IN OFFICES	BULGARIA	0	1451903
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CANADA	2046852	35289022
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHILE	340553	11551714
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHINA P RP	173993	7994725
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COLOMBIA	207200	1668828
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COMOROS	28260	28260
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CONGO D. REP.	0	44855
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CONGO P REP	0	88754
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COSTA RICA	0	725340
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CROATIA	0	265929
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CYPRUS	73528	636064
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CZECH REPUBLIC	0	1570730
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DENMARK	3509379	18257695
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DJIBOUTI	0	46749
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DOMINIC REP	0	346023
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ECUADOR	0	808565
940330	WOODEN FRNTR OF A KND USED IN OFFICES	EGYPT A RP	1406202	1684480

940330	WOODEN FRNTR OF A KND USED IN OFFICES	ETHIOPIA	0	303278
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FIJI IS	0	69841
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FINLAND	0	60587
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FRANCE	5881547	90831366
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GABON	0	5258700
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GEORGIA	0	516313
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GERMANY	17241467	183272898
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GHANA	0	2273161
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GREECE	305890	4860127
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GUATEMALA	716335	3722331
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HONG KONG	0	779107
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HUNGARY	0	83759
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRELAND	0	2750950
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ISRAEL	26560	10652723
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ITALY	2739596	38611377
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JAPAN	384358	17185254
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KENYA	214216	1648144

940330	WOODEN FRNTR OF A KND USED IN OFFICES	KOREA RP	1042352	5435614
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KUWAIT	48095	2876909
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LATVIA	295268	295268
940330	WOODEN FRNTR OF A KND USED IN OFFICES	LEBANON	0	145861
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAYSIA	1255860	11580679
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALDIVES	0	3101832
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALTA	230771	4968749
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MAURITIUS	0	1317842
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MEXICO	361413	8257213
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MOLDOVA	0	133285
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MOROCCO	0	768228
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MOZAMBIQUE	0	246163
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MYANMAR	0	38671
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NAMIBIA	0	468081
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEPAL	3150285	16069108
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLAND	45076371	406364806
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLANDANTIL	0	1023830

940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEW CALEDONIA	0	527782
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEW ZEALAND	961166	7965883
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NIGER	0	522
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NIGERIA	6490389	6493148
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NORWAY	250477	3094020
940330	WOODEN FRNTR OF A KND USED IN OFFICES	OMAN	5704866	189368868
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PARAGUAY	0	370875
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PERU	0	318606
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PHILIPPINES	0	217480
940330	WOODEN FRNTR OF A KND USED IN OFFICES	POLAND	370821	19792088
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PORTUGAL	74358	4885784
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PUERTO RICO	0	120908
940330	WOODEN FRNTR OF A KND USED IN OFFICES	QATAR	1318074	3651432
940330	WOODEN FRNTR OF A KND USED IN OFFICES	REUNION	0	1867974
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ROMANIA	0	2384360
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RUSSIA	643522	5472857
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SAUDI ARAB	7839684	27263614

940330	WOODEN FRNTR OF A KND USED IN OFFICES	SENEGAL	0	41591
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SEYCHELLES	3742224	15927122
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SIERRA LEONE	0	5872
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SINGAPORE	146523	8656412
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVAK REP	0	219790
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVENIA	0	625000
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOMALIA	0	493209
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOUTH AFRICA	21210	6188905
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOUTH SUDAN	192528	192528
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SPAIN	1648635	23443245
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SRI LANKA DSR	962060	13724810
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SURINAME	0	21434
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWEDEN	646669	9283872
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWITZERLAND	0	3486584
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TAIWAN	0	623863
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TANZANIA REP	0	5318028
940330	WOODEN FRNTR OF A KND USED IN OFFICES	THAILAND	289516	3455351

940330	WOODEN FRNTR OF A KND USED IN OFFICES	TRINIDAD	0	58863
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TUNISIA	0	114883
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TURKEY	371450	3850573
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U ARAB EMTS	4716285	95695248
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U K	7646223	94274826
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U S A	94910618	1125311533
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UGANDA	0	146210
940330	WOODEN FRNTR OF A KND USED IN OFFICES	URUGUAY	0	2931542
940330	WOODEN FRNTR OF A KND USED IN OFFICES	VIETNAM SOC REP	2924185	28532013
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ZAMBIA	0	415839

India's Export including re-export By Commodity (DESCRIPTION For 6 Digit) By Country From Jan-2020 To Dec-2020

Hs Code	Commodity	Country	December, 20 Value(INR)	January, 20 To December, 20 Value(INR)
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ANGOLA	0	329959
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ARGENTINA	0	376262
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRALIA	0	43797877
940330	WOODEN FRNTR OF A KND USED IN OFFICES	AUSTRIA	0	2395900

940330	WOODEN FRNTR OF A KND USED IN OFFICES	BAHARAIN IS	0	2271978
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BELGIUM	0	38958681
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BHUTAN	0	1859914
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRAZIL	0	169223
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BRUNEI	0	72216
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BULGARIA	0	433675
940330	WOODEN FRNTR OF A KND USED IN OFFICES	BURUNDI	0	207348
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CANADA	0	28847244
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHILE	0	2801780
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CHINA P RP	0	1919346
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COLOMBIA	0	2379624
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COMOROS	0	114363
940330	WOODEN FRNTR OF A KND USED IN OFFICES	COSTA RICA	0	171369
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CROATIA	0	385739
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CYPRUS	0	569701
940330	WOODEN FRNTR OF A KND USED IN OFFICES	CZECH REPUBLIC	0	681340
940330	WOODEN FRNTR OF A KND USED IN OFFICES	DENMARK	0	15038794

940330	WOODEN FRNTR OF A KND USED IN OFFICES	DOMINIC REP	0	1495028
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ECUADOR	0	19591
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ETHIOPIA	0	1512121
940330	WOODEN FRNTR OF A KND USED IN OFFICES	FRANCE	0	67524360
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GEORGIA	0	112853
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GERMANY	0	138194785
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GHANA	0	1359648
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GREECE	0	656177
940330	WOODEN FRNTR OF A KND USED IN OFFICES	GUATEMALA	0	3538486
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HONG KONG	0	31467
940330	WOODEN FRNTR OF A KND USED IN OFFICES	HUNGARY	0	2446601
940330	WOODEN FRNTR OF A KND USED IN OFFICES	INDONESIA	0	60857
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRAQ	0	11349638
940330	WOODEN FRNTR OF A KND USED IN OFFICES	IRELAND	0	5557
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ISRAEL	0	5039368
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ITALY	0	19502643
940330	WOODEN FRNTR OF A KND USED IN OFFICES	JAPAN	0	3127404

940330	WOODEN FRNTR OF A KND USED IN OFFICES	KENYA	0	627244
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KOREA RP	0	2422597
940330	WOODEN FRNTR OF A KND USED IN OFFICES	KUWAIT	0	7895908
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MADAGASCAR	0	1640387
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALAYSIA	0	1442146
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALDIVES	0	464818
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MALTA	0	3383601
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MAURITIUS	0	61135394
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MAYOTTE	0	6008
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MEXICO	0	1222852
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MONGOLIA	0	49220
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MOZAMBIQUE	0	1268563
940330	WOODEN FRNTR OF A KND USED IN OFFICES	MYANMAR	0	1835
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NAMIBIA	0	55467
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEPAL	0	7283596
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NETHERLAND	0	346688720
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEW CALEDONIA	0	91052

940330	WOODEN FRNTR OF A KND USED IN OFFICES	NEW ZEALAND	0	5390119
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NIGERIA	0	11376342
940330	WOODEN FRNTR OF A KND USED IN OFFICES	NORWAY	0	188985
940330	WOODEN FRNTR OF A KND USED IN OFFICES	OMAN	0	7973913
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PANAMA REPUBLIC	0	345543
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PAPUA N GNA	0	19369
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PARAGUAY	0	40168
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PERU	0	81632
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PHILIPPINES	0	115529
940330	WOODEN FRNTR OF A KND USED IN OFFICES	POLAND	0	12506267
940330	WOODEN FRNTR OF A KND USED IN OFFICES	PORTUGAL	0	680380
940330	WOODEN FRNTR OF A KND USED IN OFFICES	QATAR	0	10010807
940330	WOODEN FRNTR OF A KND USED IN OFFICES	REUNION	0	1263725
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ROMANIA	0	1151381
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RUSSIA	0	1074642
940330	WOODEN FRNTR OF A KND USED IN OFFICES	RWANDA	0	5626764
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SAUDI ARAB	0	19251693

940330	WOODEN FRNTR OF A KND USED IN OFFICES	SERBIA	0	19156
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SEYCHELLES	0	284897
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SINGAPORE	0	5757689
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SLOVAK REP	0	355933
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SOUTH AFRICA	0	358501
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SPAIN	0	43711650
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SRI LANKA DSR	0	127248
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWEDEN	0	3952964
940330	WOODEN FRNTR OF A KND USED IN OFFICES	SWITZERLAND	0	6856878
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TAIWAN	0	31820
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TANZANIA REP	0	47473
940330	WOODEN FRNTR OF A KND USED IN OFFICES	THAILAND	0	1453016
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TRINIDAD	0	13260
940330	WOODEN FRNTR OF A KND USED IN OFFICES	TURKEY	0	1839590
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U ARAB EMTS	0	48158532
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U K	0	51910576
940330	WOODEN FRNTR OF A KND USED IN OFFICES	U S A	0	615313038

940330	WOODEN FRNTR OF A KND USED IN OFFICES	UGANDA	0	33915
940330	WOODEN FRNTR OF A KND USED IN OFFICES	URUGUAY	0	2406823
940330	WOODEN FRNTR OF A KND USED IN OFFICES	UZBEKISTAN	0	43511
940330	WOODEN FRNTR OF A KND USED IN OFFICES	VIETNAM SOC REP	0	11881522
940330	WOODEN FRNTR OF A KND USED IN OFFICES	ZAMBIA	0	29351

TECHNICAL DETAILS



2.1 Sector in which the product is falling: This product under the sector of Wood & Furniture.

2.2 End users of the products/sectors: The End Users of the office furniture are mainly;

- a) IT Sectors.
- b) Banking Sectors.
- c) Govt. offices & establishments.
- d) Hospitals
- e) Corporate Offices
- f) Insurance Sectors.
- g) Educational Sectors
- h) Airports
- i) Railway Stations
- j) PSUs offices

2.3 Governing Indian specification

Sl.	Indian Standards	Year	Title
1.	IS 11525	1986	Wooden chairs for office purposes
2.	IS 11679	1986	Wooden tables for office use
3.	IS 1829-1	1978	Library furniture and fittings, part 1: timber
4.	IS 3663	1991	Dimensions of tables and chairs for office purposes
5.	IS 3845	1966	Code of practice for joints used in wooden furniture
6.	IS 4116	1988	Wooden shelving cabinets (adjustable type) –specification
7.	IS 4414	1990	Wooden table tops –specification
8.	IS 4415	1974	Glossary of terms relating to wooden furniture and fixtures
9.	IS 4837	1990	School furniture, classroom chairs and tables – recommendations
10.	IS 4838	1990	Anthropometric dimensions for school children age group 5-17 years
11.	IS 5416-1	1988	Methods of test for strength and stability of chairs and stools, part 1: strength
12.	IS 5416-2	1988	Methods of test for strength and stability of chairs and stools, part 2: determination of stability of chairs and stools
13.	IS 5967-1	1988	Methods of test for strength and stability of tables and trolleys, part 1: strength
14.	IS 5967-2	1988	Methods of test for strength and

			stability of tables and trolleys, part 2: stability
15.	IS 6632	1988	Wooden folding chairs
16.	IS 7070	1988	Wooden shelving racks, adjustable and non-adjustable type -
17.	IS 8126	1993	Composite office tables
18.	IS 12674-1	1989	Methods of test for strength and stability of settees and benches, part 1: strength
19.	IS 12674-2	1989	Methods of test for strength and stability of settees and benches, part 2: stability
20.	IS 13089	1991	Furniture - storage units - determination of stability

2.4 Governing international specification

There are nos. of International Standards for different countries and they are summarised herewith

- a)ISO 21015:2007(En)**, Office furniture — Office work chairs — Test methods for the determination of Stability , Strength and durability
- b) ISO 22880 : 2016**-Castors and Wheels –Requirements for castors for Swivel Chairs.
- c)ISO 24496:2017** Office furniture- Office work chair –Test Method for determination of dimensions
- d)The wooden office furniture specification of IAEA**(International Atomic Energy Agency)
- e) BIFMA** (Business and Institutional Furniture Manufacturers Association) is a US organization, offers several standard for furniture products to assist manufacturers, users and specifiers . BIFMA develops , maintains & publish Safety & Performance standards for furniture products. These standards founded, on centuries of craft and enhanced by advancement of science, embodiment with experience & knowledge on safety, ergonomics and sustainability. These standards are developed in accordance with American National Standards Institute(ANSI) procedures. The details are available in web portal www.bifma.org.

f)EU safety Regulation for Furniture Products:

Harmonized Standard

EN 1021-1:Ignition Source Smouldering Cigarettes
 EN 1021-2: Ignition source match flame equivalent

g)National Standards :

DIN B1 : Germany

NFP 92-503 : France

BS 5852 : 1990 United Kingdom

CSR RF1/75 A: Italy

h)General Product Safety Directives(GPSD) : It is applicable to all consumer products sold in EU including furniture.

f)REACH : It sets limit to harmful substances all consumer products including furniture sold in EU. Some restricted substances are

Lead

Mercury

Cadmium

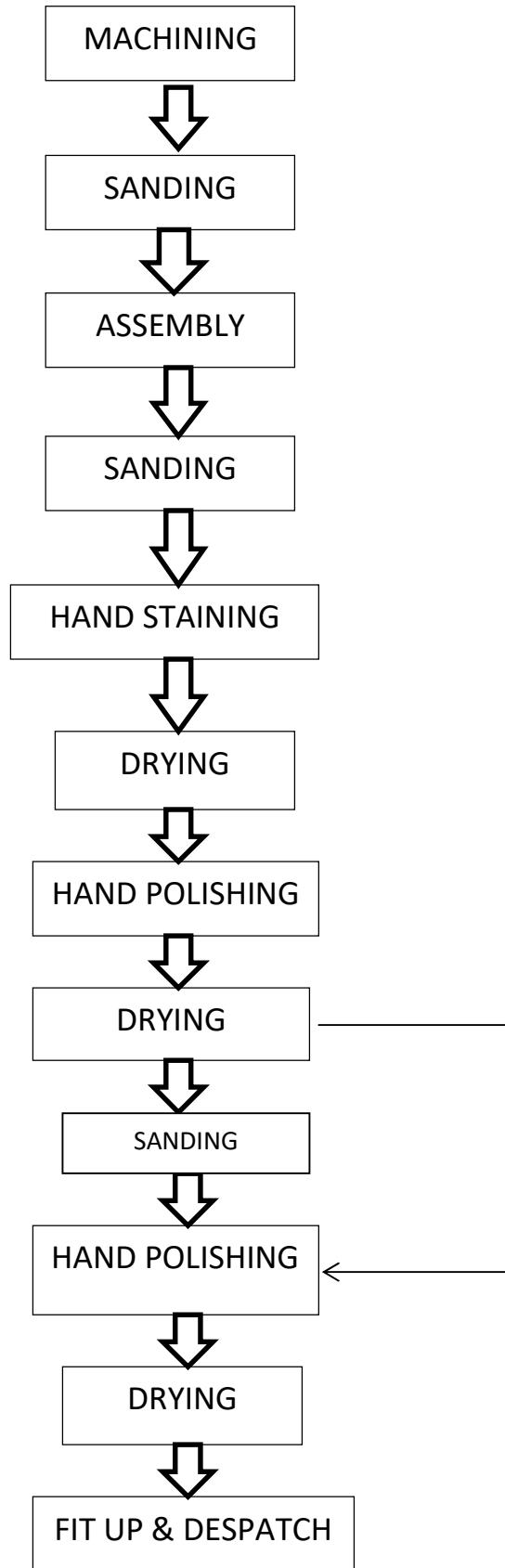
g) EN Standards:

EN 12521:2015-Furniture strength, durability and safety, Requirements for domestic table

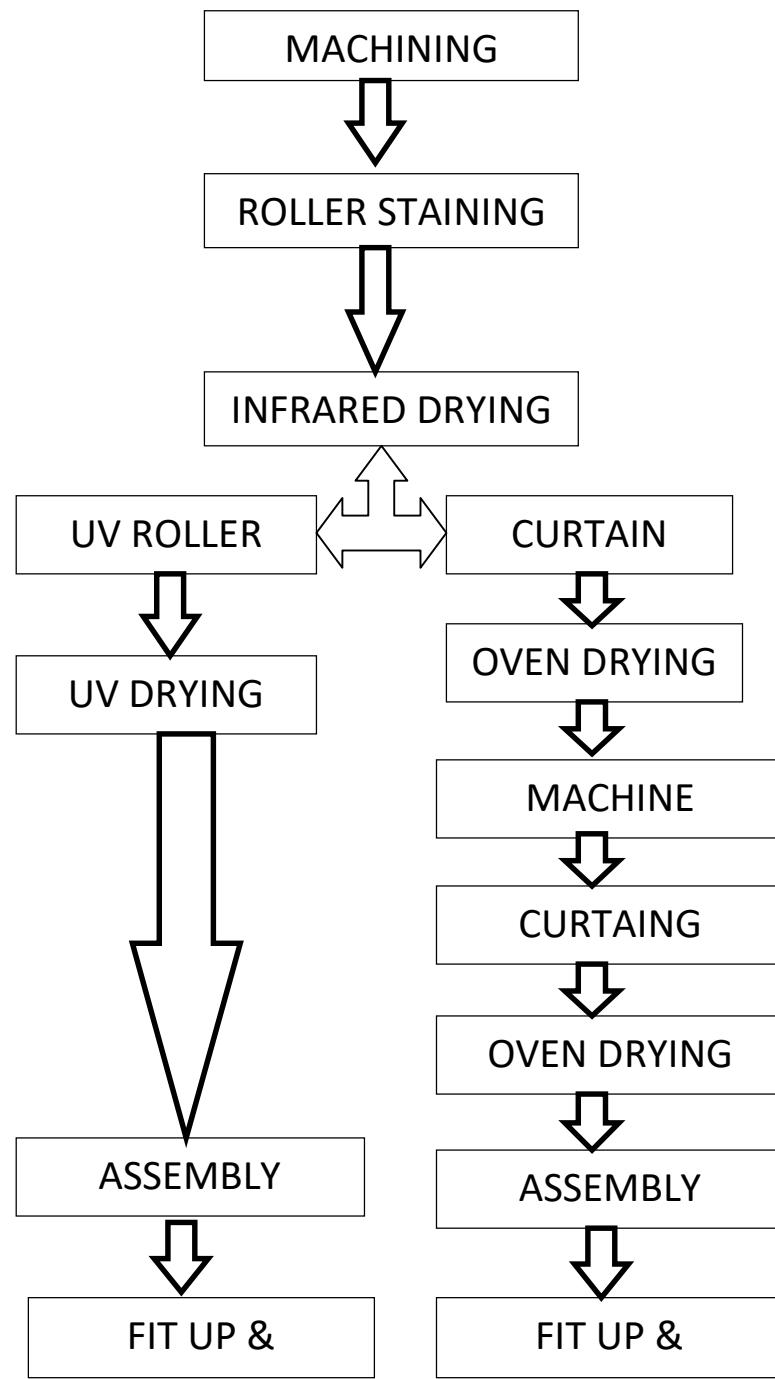
EN 15372:2008-Furniture strength, durability and safety, Requirements for non-domestic tables

2.5 Flow process chart of the manufacturing

Flow Process Chart (Traditional Approach)



Flow Process Chart (Modern Approach)



2.6 Qualitative parameters of the product

- >Elegant look & aesthetic appeal
- >Compact & Ergonomics Design
- >Unique Craftsmanship & Comforts
- >Safety & Strength
- >Longer Durability
- >Free From harmful Substance & Materials

2.7 Details of the product Licenses to obtain: BIS grants licences to use a specified standard mark(ISI mark and/ECO mark)or grants certificate of conformity as per conformity assessment scheme in relation to product/article manufactured. BIS certification mark known as standard mark on a product, is an assurance of quality, safety and reliability of products to customer and conformity to applicable specification of product. The details procedure of obtaining product licences may get by searching in the URL <https://www.manakonline.in/MANAK/ApplicationLicenceRelatedrpt> or send a request to concerned technical department of BIS at <https://bis.gov.in/index.php/standards/technical-departments/>. The governing Indian specification for various furniture to obtain product licences are given above in Sl.No.2.3

AIOTA(All India Occupational Therapists' Association) Certification is required for Ergonomically Designed office furniture(Please visit aiota.org for details)

2.8 Equipment required for the manufacturing of the product :

Traditional Manufacturing	Modern Manufacturing
Hand Saw, Carpenter Tools, Power Jointer , Thickness Planner, Surface Planner, Circular Saw for rough dimensioning of long log, a Router, Jigsaw for cutting curves Combination square , Measuring tape, Crayons, Pencil & Knife	CNC Wood Router Wood Cutting Machine CNC Wood Carving machine Wood Turning Lathe machine Wood Processing machine Wood Edge banding machine Combination Woodworking M/c 3D Wood Carving Machine Chain Mortising Machine Chisel Mortiser Sliding Table Panel Saw Carpenter Tools Router bits, Infrared Drying Oven UV Drying Oven Wood Treatment & Seasoning Plant

2.9 Test facilities required for the product: There are three test categories for **For Wooden Chairs for office purposes as per IS: 11525**

Type Tests : Tests carried out to prove conformity to the requirements of specification of Wooden Chair as per IS : 11525. These tests are

- a) Workmanship
- b) Dimensions & Tolerance
- c) Physical Tests
- d) Mechanical Tests
- e) Surface Finish

ii) **Acceptance Test:** The following comprises of Acceptance Tests which shall be carried out of samples selected from each lot.

- a) Workmanship
- b) Dimension & Tolerance
- c) Physical Tests
- d) Mechanical Tests

iii) **Routine Test:** Each and every chair shall be checked for good workmanship, dimension & tolerances.

For Wooden Tables for office purposes as per IS: 11679

i) **Type Tests :** Tests carried out to prove conformity to the requirements of specification of Wooden Table as per IS : 11679. These tests are

- a) Workmanship
- b) Dimensions & Tolerance
- c) Glue Adhesion Tests
- d) Physical Tests
- e) Mechanical Tests
- f) Surface Finish

ii) **Acceptance Test:** The following comprises of Acceptance Tests which shall be carried out of samples selected from each lot.

- e) Workmanship
- f) Dimension & Tolerance
- g) Glue Adhesion Tests

iii) Routine Test: Each and every Chair &table shall be checked for good workmanship

Items	Name of Test	IS No.	Required Test facilities / Equipment
Wooden Chairs as per IS: 11525	Dimension& Tolerance, Moisture content(%)	IS 3663-latest	Steel Scale, Measuring tape, Angle Gauge, Vernier Calliper, Bevel Protector, various Gauges, Electric Moisture meter.
	Physical Test& Mechanical Test	IS 5416(Part1)-latest	Appropriate Loading Templates, Weights/ Loads of various capacity , Impacter, Impact hammers
	Surface Finish Tests	IS:5807(Part 1 to 6)	Brass Cup, Thermometer, Insulating mat, Mineral Oil, Viewing Cabinet , Nylon Cloth, Test Panel, Oil/fat, Watch glass, Acetic Acid, Disc, Glossmeter, Impact Test, Cross-Cut test Apparatus, Scrape test machine
Wooden Table as per IS: 11679	Dimension & Tolerance, Moisture Content(%)	IS: 3663-latest	Steel Scale, Measuring tape, Angle Gauge, Vernier Calliper, Bevel Protector, various Gauges, Moisture meter.
	Glue Adhesion Test	IS:1734(Part 5)	Standard Knifes
	Physical & Mechanical Tests	IS:5967	Appropriate Loading Pads, Weights/ Loads of various capacity , Impacter, Impact hammers
	Surface finish Tests	IS:5807(Part 1 to 6)	Brass Cup, Thermometer, Insulating mat, Mineral Oil, Viewing Cabinet , Nylon Cloth, Test Panel, Oil/fat, Watch glass, Acetic Acid, Disc, Glossmeter, Impact Test, Cross-Cut test Apparatus, Scrape test machine

Wooden office furniture may be manufactured with various type materials viz.
 Wood Particle Board (IS:3087)
 Veenered Particle Board (IS:3097)
 Plywood(IS:303)
 Blockboards(IS:1659)
 Timber (IS:399)
 Adhesive(IS:849, IS:851, IS:852 or IS:4835)
 Wood Screw(IS:6760) . These basic materials / raw materials shall conforms to the relevant standards .

The product required testing to ensure following parameters which are as per relevant standard of the products

1. Materials Testing to conform relevant standards
2. Dimensions to conform
3. Performance testing to conform
4. Safety Testing to conform
5. Quality Testing to conform

These can classified as

- Dimension measurements
- Glue Adhesion Tests
- Physical Tests
- Mechanical Tests
- Tests for Surface finish

The office furniture market in India is projected to grow to USD 13.58 billion by 2021 at a CAGR of more than 20%. The office furniture market will grow at a healthy rate owing to sustained demand in organized and unorganized furniture segments. The organized office furniture market's penetration is largely limited to Multi National Corporations in Tier 1 cities, while unorganized segments cater to all segments. The office furniture are classified into the following categories

Office Seating Furniture –The office seating furniture includes products such as stacking chairs, ergonomic chairs, stool & bench. Innovation in seating furniture , such as ergonomics designs which enhance comforts of users sitting for prolonged periods of time will also propels the growth of the seating furniture market in future.

Office Table Furniture- This is the most commonly used furniture in offices. Office table are usually manufactured from wood, plastic, tempered glass or steel . Currently the rise in demand for tables made from eco-friendly raw materials –wood or steel are driving the market growth. Corrugated cardboard is another material which is gaining popularity in office table market segment. Some of popular vendors that provide table furniture include Zuari, Durian, Godrej, and DAMRO.The emergence of global companies like IKEA in this segment is creating wider business opportunities.

Office Furnishing System- This market globally is expected to reach USD 3.63 billion in 2021. The office furnishing system segment includes products such as panel and modular system commonly referred as office system or cubicles .These are portable workstation with integrated lighting system and work surfaces. There are various types including Desking system and panel system.Some of popular vendors that provide office system Godrej and AFC System.

Office Storage and other Furniture

2.10 The technology existing the manufacturing of the product :

The process involved primary processing of timber, the production of board from logs or timber. This is basically done by Saw Mills. The introduction of modern saw mill with higher production capacity would be a important factor to enhance productivity. Next

process, entails production of wooden furniture items by secondary processor or furniture manufacturers. The steps of the process are

Receiving of Timber: The timber is received from timber storage section and checked properly. Timber is measured to ensure size & moisture content in between 12-15% as it is mandatory for wooden furniture. Each bundle of timber is documented / listed and sent to production floor for furniture manufacturing process.

Timber Cutting & Molding: Every piece of selected timber is carefully cut cross wise. Then it is processed in molding section to achieve the required shapes & sizes for furniture manufacturing. Then it is bundled again. Documentation and identification of every bundle is properly done here.

Component Fabrication: Molded timber is processed by different wood working machines depending on shape & design to obtain its feature. These components are sanded properly to round all sharp edges and to smooth all surface of the timber.

Assembly Operation : Each component is being assembled according to drawing & design to make part of planned furniture. All joints are glued together to form a strong bond. In some cases, wooden dowel pin is used to join two parts of furniture. Assembled parts are stacked & labeled for identification and make a complete furniture, followed by testing as per standards.

Finishing & Packing : All assembled parts then surface finished by varnishing, painting , allied finishing as per standards / requirements followed by inspection.

Delivery : Finished furniture is loaded into vehicles/containers to deliver as per customer's order.

2.11 Suggested modern technology for implementation or available in the market

Modern technology has profoundly affected furniture design through available innovative materials & process. Chief amongst these are computer programme which enable representation of impossible form to make possible & to direct into manufacturing. Furniture and technology are intimately linked. The two main technological fields that are most relevance to furniture are materials and processing techniques, through computer aided designs and rapid dissemination of ideas through internet .

In manufacturing , most notable area of new technological development is the use of Computer Programme(CAD) to drive machinery , technology known as digital manufacturing . It brings down the price of manufacturing , particularly one-offs and batch runs. Digital manufacturing represents the biggest change in nature of mass-produced products since the industrial revolution.

Digital manufacturing falls into two main areas, computer numerical control (CNC) and rapid prototyping. CNC machinery encompasses a ranges of processes and operations include

lathe turning, drilling, laser cutting, engraving, milling and wood routers. All of these processes work on Sheet materials. Digital manufacturing has led to new forms of expression by designers. CNC machinery is required for making dismantling / Folding furniture and suitable for exports.

Most modern factories are on mass production lines. Today timber is cut to usable sizes in main machine shop and brought to required moisture content in a Kilning section. In recent years, radio- frequency heating system widely used to dry natural wood and plywood etc. Modern drying technologies are Infrared and UV drying system, it is very fast, accurate extensively suitable for mass productions . Wood Treatment and Seasoning Plant produce crack free, bending free and termite free furniture besides fast drying system.

From drying section, the wood proceeds to planning and jointing shop, in which it is reduced to required section and any tenoning , doweling or dovetailing carried out. From this point onward, the works remain on conveyor belt, passing to sanding shop where joints are levelled and finally to the finishing shop where it is stained, sprayed polished or painted and fine sanded & waxed.

Modern method of furniture construction are largely based on the availability of man-made materials ,such as reliable plywood, veneered plywood, laminated board, MDF board and hardboard as distinct from natural wood. It is not merely that manufactures prefer the one to the other but that these substance are free from great fundamental defect to wood-movement (Shrink or Swell with drying or absorbing moisture)

Introduction of new type of adhesives in place of traditional animal glue has an advantage. Many are highly water resistant , some water proof, can be applied cold, avoiding complication of heating of joints before assembly . They can be cured by heat in a minute.

Adoption of Industry 4.0 in furniture sector: Europe is at the beginning of a new industrial revolution , considered to be fourth such leap forward and characterized by the universal use of sensors, expansion of wireless communication and networks, the deployment of artificial increasingly intelligent machines and robots as well as increasing computing power at a lower cost and development of “big data” analysis has the power to transform the way goods are manufactured . This is universally accepted in all manufacturing sector due to great advantages. Industry 4.0, the new digital industrial revolution holds the promise of increased flexibility in manufacturing, mass communication, increased speed, better quality and improved productivity. However to achieve these benefits, enterprise need to invest in people, technology/equipment, information & communication technology(ICT), data analysis as well as integration of data flows throughout global value chain. To promote the new digital industrial revolution, required policy & fund towards infrastructure development, skilling & education and new culture in industries.

Ergonomics designed Office Furniture: Ergonomics derives from the two Greek words-*ergon*, meaning work, and *nomoī*, meaning natural laws , to create a word that means the science of work and a person's relationship to that work. It is an applied science concerned

with designing and arranging things people use so that the people and things interact most efficiently and safely. According to International Ergonomics Association, there are three broad domains of ergonomics – Physical, Cognitive, and Organizational. Ergonomics is a process of designing or arranging a workplaces, products and systems so that fit the people who use them. Ergonomics aims to improve workspaces and environments to minimize risk of injury or harm. Technology changes to ensure that the tools we access for rest, work, play are designed for our body's requirements. Ergonomics aims to create safe, comfortable and productive workspaces , including individual's body size, strength, skill, sensory abilities and even attitudes. Great benefits of ergonomics are Better Comfort, Reduce fatigue , Increase accuracy, lesser injury, Improve communication and Save time. It is the attempt to make work better that ergonomics becomes so useful, and that is also where making things comfortable and efficient comes into play. Ergonomics is commonly thought of in terms of products, it can also be equally useful in design of process or services. Today customer searching ergonomics designed office furniture along with comforts, safety and inexpensive price. In India ergonomics designed furniture are manufactured by many industries and certified by AIOTA(All India Occupational Therapists' Association(AIOTA).

2.12 Raw Material required and availability:

1. Wood is an extremely choice for furniture because of variety of pieces can be produce. Wooden furniture is durable ,aesthetics appearance, low maintenance, eco-friendly and produces natural oil that protects it against rot & deterioration. Hard Wood materials are usually source from Teak, Sal, Mehgony, Pine, Oaketc

Engineered woodssuch as MDF board, Plywood & Particle board, a much more cost effective option with lesser durability over time.

Veneers are thin panels of wood glued onto core panel. They work particularly well for the craft of marquetry that allows creation of pattern on surfaces. In today's world, sustainability is a buzzword, veneers have become popular as they use less wood to make a piece of furniture.

The other materials are decorative laminates, leather, fabrics etc for custom make furniture, besides adhesives, glues, primers, varnishes and epoxy resins etc. These materials are available locally or metro cities.

2.13 Covering Raw material standards Indian /International standards

Wooden Furniture:

Sl.no.	Material/Item	IS Specification No.	Remarks
1.	Wood Particle Board	IS: 3087-latest	
2.	Veneer Particle Board	IS: 3097-latest	
3.	Plywood	IS: 303-latest	
4.	Veneered Plywood	IS:1328-latest	
5.	Block board	IS: 1659-latest	
6.	Timber	IS:399-latest	
7.	Wood screw	IS: 6760-latest IS: 6739-latest	
8.	Adhesive(Cold setting	IS:849-latest	
9.	Adhesive (Synthetic Resin	IS:851-latest	
10.	Adhesive(Animal Glue)	IS:852-latest	
11.	Polyvinyl acetate dispersion –based adhesive	IS:4835-latest	
12.	Cane	IS: 5378-latest	
13.	Operation & Workmanship in finishing	IS:2338-1-latest	
14.	Paints , Enamel & Varnishes schedule	IS:2338-2-latest	
15.	Table Top	IS: 4414-latest	
16.	Decorative Laminates	IS: 2047-latest	

PROJECT REPORT



3.1 The detailed bankable project report of the product.(Financials, space /manpower requirement, Technology, Quality requirements , etc)

A) FIXED CAPITAL

I) Land Details:-

The required area for setting up the Office Furniture manufacturing Unit is approx. 7000 SqFt. The rate for Land is- Rs.150/Sqft

So the Cost of Land- Rs. $7000 \times 150 =$ Rs.10,05,,000/-=Approx-10,00,000/-

Office Building with Works Shed- Rs.10,00,000/-

Total Land with Building & Works Shed- Rs.10,00,000+Rs.10,00,000 = Rs-20,00,000/-

II) Machinery Details:

Sl. No .	Particulars	Qty	Rate(Rs.)	Amount(Rs.)
1	Wood Working Machine Combi Planers	1	57,000	57,000
2	Spindle Moulders	1	1,50,000	1,50,000
3	Basic Router, 4500 Rpm, 2 Hp	1	36,500	36,500
4	Wood Cutting Bandsaw Machine, Cutting Blade Size: 12" to 42", 2 Hp To 7.5 Hp	1	34,500	34,500
5	Wood Circular Saws, 2hp, Cutting Blade Size	1	30,400	30,400
6	Wood Jig Saw Machine, 1hp, Cutting Blade Size: 32m	1	28,800	28,800
7	1 Hp Chisel Mortising Machine, 0-25 mm, Automation Grade: Manual	1	31,500	31,500
8	2 Hp Chain Mortising Machine	1	57,000	57,000
9	50-60hz Wood Planer Machine with Side Cutter Wood Working Machine, Machine Capacity: 13 Inch	1	75,000	75,000
10	Belt Sander Machine, Model Name/Number: AV-BS-400, 3 Hp	1	70,000	70,000

11	Drum Sander Machine, Automation Grade: Semi- automatiion	1	2,94,000	2,94,000
12	CNC Wood Lathe Machine,	1	5,00,000	5,00,000
	Total			13,64,700/- 13,65,000/- (Say)

III)Misc Expenditure on Office Furniture:

Approx. Rs 3,00,000/- may be incurred to procure office furniture at initial level.

Iv) Preliminary & Pre-Operative Expenses:-

Approx-6.00 Lacs

TOTAL FIXED CAPITAL = I+II+III+ IV=

20,00,000+13,65,000+3,00,000+6,00,000= RS 42,6500,000/-

Considering No. of Working days per Annum : 300 days.

No. of Working Shift = 2 (Two) per day

B) WORKING CAPITAL

I) Raw Material Requirement:- (Annual)

SL NO	ITEM	QTY	RATE (Rs)	TOTAL
1	Wood of Different Types	696 CUM	18,000	1,25,28,000
2	Leather /Cusion	7200 Pcs	900	64,80,000
3	Fevicol	1800 Kg	250	4,50,000
4	PLY	14400 Sqft	35	5,04,000
5	Sun Mica	14400Sqft	42	6.04,800
6				
	<u>GRAND TOTAL</u>			2,05,66,800

II) Utilities(Per Annum)

<u>SL NO</u>	<u>ITEM</u>	<u>TOTAL(Rs.)</u>
<u>1</u>	Electricity (34 HP M/C running 300 Days with 2 Shift i.e Effective Hr 12 hr. Total unit consumption -91310. Present rate- Rs8.92/Unit	815000
<u>2</u>	Water &Misc	1,00,000
<u>GRAND TOTAL</u>		<u>9,15,000</u>

iii) Salary & Wages (PerAnnum)

<u>SL NO</u>	<u>Designation</u>	<u>No</u>	<u>Wages /Month (Rs)</u>	<u>TOTAL /Annum(Rs.)</u>
<u>1</u>	Accountant cum Manager	<u>1</u>	<u>30,000</u>	<u>3,60,000</u>
<u>2</u>	Supervisor	<u>2</u>	<u>25,000</u>	<u>6,00,000</u>
<u>3</u>	Skilled Manpower	<u>8</u>	<u>23000</u>	<u>22.08,000</u>
<u>4</u>	Unskilled	<u>4</u>	<u>12000</u>	<u>5,76,000</u>
<u>GRAND TOTAL</u>				<u>37,44,000/-</u>

Note: Every year increment @ 5% have been considered towards financial calculation.

iv) Selling& General Administration (Annum)

<u>SL NO</u>	<u>Designation</u>	<u>No</u>	<u>Wages /Month (Rs)</u>	<u>TOTAL (Annum)</u>
<u>1</u>	Store Manager	<u>1</u>	<u>40,000</u>	<u>4,80,000</u>
	Store Boy	<u>3</u>	<u>12,000</u>	<u>4,32,000</u>
<u>2</u>	Sales Supervisor	<u>1</u>	<u>30,000</u>	<u>3,60,000</u>
<u>3</u>	Sales Person	<u>2</u>	<u>22000</u>	<u>5,28,000</u>
<u>TOTAL</u>				<u>18,00,000/-</u>

v) Advertisement & General Stores

<u>Sl. No.</u>	<u>Items</u>	<u>Cost (Rs.)</u>
1.	Advertisement per Annum	3,00,000/-
2.	General Stores & Inventory	3,85,500/-
3.	Total	6,85,500/-

GRAND TOTAL- Rs 18,00,000 + 3,00,000+3,85,500/-= Rs 24,85,500

A) WORKING CAPITAL= I+II+III= 2,05,66,800 +9,15,000 +37,44,000/-= Rs. 2,52,25,800

SAY 253 LACS

B) TOTAL CAPITAL = FIXED CAPITAL + WORKING CAPITAL (3 MONTH)=

42.65 lacs +(253/4)= 105.9 Lacs==Say 106 Lacs

PROJECT: FINANCIAL CALCULATION

COST OF PROJECT		(Rs. In Lacs)
		TOTAL
Land & Land Development		20
Plant & Machinery & Other Equipments		13.65
Preliminary &Pre Operative Expenses		6
Misc. Fixed Assets		3.00
Margin Money for Working Capital		63.25
		105.90
MEANS OF FINANCE		(Rs. In Lacs)
PARTICULARS		AMOUNT
Promoters Contribution		39.90
Term Loan from Bank		40.00
Working Capital Loan from Bank		26.00
		105.90
Breakup of Promoters Contribution		
Private Placement		14.90
Internal Accruals		25.00
		39.90

D)

INSTALLED PRODUCTION CAPACITY				Pcs		
Wooden Chair				5000		
Wooden Box Table (3'x2')				900		
Production Capacity Per Annum				5900		
SCHEDULE OF PRODUCTION AND SALES						
RAW MATERIAL MIX AND CONSUMABLES REQUIRED						
Item		Quantity	Unit	RATE	Amount	
Raw Material						
Wood of Different Types		696	Cum	18,000		12528000.00
Leather/Cushion		7200	Pcs	900		6480000.00
Fevicol		1800	Kg	250		450000.00
PLY		14400	Sqft	35		504000.00
Sun Mica		14400	Sqft	42		604800.00
Cost of Raw Material Consumed/Annum						20566800.00
Parameters		1st Year	2nd Year	3rd Year	4th Year	5th Year
Capacity Utilization		70.00%	75.00%	80.00%	85.00%	90.00%
		5900	5900	5900	5900	5900
Production (In Pcs) as per Capacity Utilized		4130	4425	4720	5015	5310

BREAK UP PRODUCTION AS PER UTILIZED CAPACITY					
ITEMS	1st Year	2nd Year	3rd Year	4th Year	5th Year
Capacity Utilization	70.00%	75.00%	80.00%	85.00%	90.00%
Wooden Chair	3500	3750	4000	4250	4500
Woodem Box Table (3'x2')	630	675	720	765	810
TOTAL PRODUCTION	4130	4425	4720	5015	5310
ITEMS	Sale Rate/Pcs				
Wooden Chair		Rs. 5000			
Woodem Box Table (3'x2')		Rs. 15000			
SALES DETILS					
YEAR	1st Year	2nd Year	3rd Year	4th Year	5th Year
ITEMS					
Wooden Chair	17500000	18750000	20000000	21250000	22500000
Woodem Box Table with Glass (3'x2')	9450000	10125000	10800000	11475000	12150000
NET Sales Price	26950000	28875000	30800000	32725000	34650000
GST RATE@12%	3234000	3465000	3696000	3927000	4158000
GROSS Sales Price	30184000	32340000	34496000	36652000	38808000
COST OF PRODUCTION					
ITEMS	1st Year	2nd Year	3rd Year	4th Year	5th Year
	70.00%	75.00%	80.00%	85.00%	90.00%
Raw Materials Consumed	15425100	15425100	16453440	17481780	18510120
Power & Fuel	640500	686250	732000	777750	823500
Direct Labour & Wages	3744000	3931200	4127760	4334148	4550855
Consumable Stores	70000	37500	40000	42500	45000
Repairs & Maintenance	40000	42000	50000	65000	70000
Other Manufacturing Exp.	17500	18750	20000	21250	22500
COST OF PRODUCTION	19937100	20140800	21423200	22722428	24021975

PROJECTED PROFITABILITY STATEMENT

		1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
Capacity Utilized		70.00%	75.00%	80.00%	85.00%	90.00%
A. Sales	-	-	-	-	-	-
Gross Sales		30184000	32340000	34496000	36652000	38808000
Less : GST		3234000	3465000	3696000	3927000	4158000
NET SALES		26950000	28875000	30800000	32725000	34650000
	-					
B. Cost of Production	-					
Raw Materials Consumed		15425100	15425100	16453440	17481780	18510120
Power & Fuel		640500	686250	732000	777750	823500
Direct Labour & Wages		3744000	3931200	4127760	4334148	4550855
Consumable Stores		70000.00	37500.00	40000.00	42500.00	45000.00
Repairs & Maintenance		40000.00	42000.00	50000.00	65000.00	70000.00
Other Manufacturing Exp.		17500.00	18750.00	20000.00	21250.00	22500.00
Total Cost of Production (C)		19937100	20140800	21423200	22722428	24021975
	-					
	-					
	-					
D. Gross Profit (A-C)	-	10246900	12199200	13072800	13929572	14786024
Interest Expenses	-					

Interest Expenses (Term Loan) @7.65% /Annum for 5 yr		408617	335134	253147	161672	59612
Interest Expenses (WC Loan) @11% /Annum		708400	708400	708400	708400	708400
	-					
	-					
Selling, General & Administrative Exp.		2485500.00	2609775.00	2740263.75	2877276.94	3021140.78
	-					
Profit before Taxation		6644383.00	8545891.00	9370989.25	10182223.06	10996871.82
Provision for Taxation		1993314.90	2563767.30	2811296.78	3054666.92	3299061.54
Profit After Taxation		4651068.10	5982123.70	6559692.48	7127556.14	7697810.27
	-					

DEBT SERVICE COVERAGE RATIO (COMPANY AS A WHOLE)						
PARTICULARS						
		1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year
Profit After Tax	-	4651068.10	5982123.70	6559692.48	7127556.14	7697810.27
Add:- Interest Expenses (Term Loan) @7.65% /Annum for 7yrs	-	408617.00	335134.00	253147.00	161672.00	59612.00
Interest Expenses (WC Loan) @11% /Annum for 7 yrs		708400.00	708400.00	708400.00	708400.00	708400.00
Depreciation	-	259800.00	259800.00	259800.00	259800.00	259800.00
Total (A)	-	3274251. 10	4678789. 70	5338345. 48	5997684. 14	6669998. 27
	-					
Interest Expenses (Term Loan) @7.65% /Annum for 7yrs		408617.00	335134.00	253147.00	161672.00	59612.00
Interest Expenses (WC Loan) @11% /Annum for 7 yrs		708400.00	708400.00	708400.00	708400.00	708400.00
Term Loan Repayment		635019.00	708503.00	790490.00	881964.00	984024.00
Total Debt Payment (B)		1752036.00	1752037.00	1752037.00	1752036.00	1752036.00
	-					
DSCR (A/B)		1.87	2.67	3.05	3.42	3.81
Cash Inflow		2639232.10	3970286.70	4547855.48	5115720.14	5685974.27
BREAK EVEN ANALYSIS		1st Year	2nd Year	3rd Year	4th Year	5th Year
A. Net Sales		26950000	28875000	30800000	32725000	34650000

B. Variable Expenses					
Raw Materials Consumed	15425100	15425100	16453440	17481780	18510120
Power & Fuel	640500	686250	732000	777750	823500
Consumable Stores	70000.00	37500.00	40000.00	42500.00	45000.00
Repairs & Maintenance	40000	42000	50000	65000	70000
Other Manufacturing Exp.	17500	18750	20000	21250	22500
	16193100	16209600	17295440	18388280	19471120
C. Contribution (A-B)	10756900	12665400	13504560	14336720	15178880
D. Fixed Expenses					
Direct Labour & Wages	3744000	3931200	4127760	4334148	4550855
Selling, General & Administration	2485500.00	2609775.00	2740263.75	2877276.94	3021140.78
	6229500	6540975	6868023.75	7211424.938	7571996.184
Breakeven Sales at Operating Capacity	0.58	0.52	0.51	0.50	0.50

G) In Percentage

H)

I)

CALCULATION OF PAYBACK PERIOD					
Investment	106	Lacs			
Cash In Flow	26	Lacs			

(PAT-Depreciation-Interest)					
PAY BACK PREIOD	4.08				

FINANCIAL FEASIBILITY REPORT

1) Debt Service Coverage Ratio-

In this project, it shows that the DSCR is on increasing trend for next five years. Theoretically the Min Avg. DSCR 1.25 indicates healthy Financial Condition of the unit. In our Project the DSCR Value at 70% of Installed Capacity is 1.87. It is on increasing Trend over next five years. So our projected estimation denotes the continuous sound Financial Health .

2) Break Even Point Analysis

In this project, after 1st year our BEP is at lowering Trend. The Avg BEP after 1st year is 0.51 which indicates very good Profitability. This lower BEP indicates that sustainability of this project for long span of time

3) Pay Back Period

In our project, we have initially targeted to repay all the Term Loans with interest within 5 years. Through calculation, we achieved the PAY BACK period to be 4.08 years. It simply indicates that the financial condition of our project is very sound.

Based of above three Financial Factors, it is evident that this project is Financially Viable .

3.1.1 General Wooden Office Furniture Requirements

The Supplier shall have the responsibility to fulfil all associated activities and works required for the supply and delivery of office furniture in accordance with the specifications stated in Attachment 1 of these Performance Specifications and the following requirements:

- a) All furniture items and elements shall be "off the shelf" products;
- b) The furniture shall match the existing IAEA Headquarters' furniture in terms of similar and comparable colour of surface finishes, durability and functionality;

- c) The furniture shall facilitate in-house transportability and movement activities;
- d) The furniture shall have uniform main design features, such as panel-profiles, leg variations, handle colours, shapes, material forms;
- e) The supplier shall guarantee supply and delivery of the same models material, colours, spare parts, locks, and handles for at least 5 years; and
- f) The supplier shall guarantee a delivery time of maximum 6 weeks after receipt of individual purchase orders placed against the Basic Supply Agreement;

2.3.2. Requirements and Characteristics All furniture items and elements shall be manufactured from environmental friendly materials and meet the following requirements in accordance with relevant national and internationally recognized standards and norms:

- a) Integral material of fibre board panels shall be exclusively with low formaldehyde content (class E1);
- b) All items and elements shall be free of PVC;
- c) All wooden parts shall be free from paint and glue emissions;
- d) All plastic parts shall be free from ABS plastic, pure and recyclable;
- e) Panels shall be covered with melamine resin as per requirements of DIN 68765;
- f) Surface panels shall be glare free; Page
- g) Surface panels shall be resistant against mechanical impact and short-term impact of chemicals as per requirements of DIN 68861; and
- h) All metal parts shall be powder coated.

3.1.2.Quality and Environmental Standards :

The various quality requirements, Standards/Specifications and Product Certification required elaborated in previous chapter at Sl.no. 2.3, 2.4 2.6,2.7,2.8& 2.9. The quality/specification requirements for raw materials elaborated in 2.13. Besides above, towards export of the products, the following points shall be considered.

All furniture items, elements and materials shall correspond to the requirements of the European Union (EU) standard EN 527, 14073 as relevant to commercial office furniture or equivalent national standards currently in force and applicable for office furniture with regard to quality, durability and environmental characteristics. The Supplier shall be compliant with the ISO 14001 quality assurance system. All items covered by this requirement must be compliant with a recognized certification system acceptable to the Agency such as Blue Angel or European flower or another recognized certification system

acceptable to the Agency etc. relevant to the following: •Labeling of recyclable parts; • Sourcing of wood used in the product; • Free of VOC's and other harmful products; and • Recyclable Packaging.

3.2 Details of test facilities available in India :

Testing of Products and Raw materials (Complete/Part test) facilities are available in following organisations

- a) Indian Council of Forestry Research and Education and its various Institutes & Centres thorough out India like Forest Research Institute, Dehradun & others, Visit Website: www.icfre.org
- b) Indian Plywood Industries Research & Training Institute, Bangalore. Visit Website: www.ipirti.gov.in/kolkata.html, email: ipirtikolkata@ipirti.gov.in
- c) Indian Plywood Industries Research & Training Institute, Field Station, Kolkata. Visit Website: www.ipirti.gov.in , email: director@ipirti.gov.in
- d) MSME-Testing Centres at Kolkata , email: dctc-er@dcmsme.gov.in
- e) Laboratories of Bureau of Indian Standards at Central Lab at Sahibabad & Others places, For details Visit website :www.bis.gov.in
- f) National Test House, Kolkata, email: nthsal-wb@nic.in, Ghaziabad, email :nthnr-ca@nic.in

3.3 Details of Raw materials suppliers :

The raw materials viz. Hardwood, Panelwood,Plywood, boards, decorative laminates , Glue etc required for manufacturing are easily available in local markets as well as through Onlines marketing. Some suppliers of raw materials are listed herewith for reference purposes with a request to make payment on received of materials only in case of Online marketing.

1. Gayatri Timbers, Ambawadi, Bhudarpura Road, Opposite to UCO bank Flats, Ahmedabad, India.
2. Shri Raghubansi Saw Mill, Bhawna Traders Highway Road, Opposite to Kalol, Near GIDC Kalol,NGKalol, Gandhinagar, India
3. Chamunda Wooden, Mavdi Main Road, Near 150 Feet Ring Road, Mavdi, Rajkot, India
4. Amar Timber Mart, Latibazaar,Joravarnagar, Surendranagar, India
5. Jagadamba Traders, Near Petrol Pump, Gohana Road, Panipat, India

6. V Group Office Systems, Plot no. 113, Devappa Building, Pantarapalya, Nayandahalli, Mysore Road, Bengaluru, India
7. Sri Venkateswara Saw Mill, Kota SPRS, Nellore, India
8. M/s Evergreen02, Kaithal Road, Kandela, Jind-Haryana, Patiala Chowk, Jind, India.
9. Shri Bajrang Hardware and Electricals, S No.-40, Wadgaon Sheri Temo Chowk, Pune, India.

3.4 Details of the machinery suppliers : Wood working machine is basically used to make different type of wooden furniture. The selection of right kind, capacity & latest wood working machines is very important to enhance production, excellent design, finish & quality and enhance the profit in business. It is imperative to be aware of what one need to do before actually buy a woodworking machine such as

- CNC Wood Router Machine
- CNC Wood Carving Machine
- Wood Cutting Machine
- Wood Tuning Lathe Machine
- Wood Processing Machine
- Combination Woodworking Machine
- 3D Wood Carving Machine
- Wood Edge Banding Machine
- Roller Press Machine
- Sanding Machine
- Drills & Saws

Details of suppliers of Machineries are given herewith

1. Nihar Industries, Plot no 85/3, Phase-1, GIDC, Vatva, Ahmedabad, Gujrat, India
Email: sales@niharindustries.com
2. Umaboy, 3/C Shiv Estate, Radhika Society, Near Baroda Express Way, NH-8, Ahmedabad-382455, Gujrat, India. Email: info@shreeumiya.com.
3. JAI Industries, Nr.Ajit Mill Cross Road, Rakhial-Odhav Main Road, B/s Flyover, Rakhial, Ahmedabad-380023, Gujrat, India. Email: info@JAIindustries.com
4. BIESSE Manufacturing Company Pvt. Ltd, Survey No. 32, No.469, JakkasandraVillage,Sondekoppa Road, Nelamangala Taluk, 562123 Bangalore Rural District, India, Phone No. : 80 49489800
5. Woodtech Consultants Pvt. Ltd., #31/2, 2nd Cross, Nadakerappa Industrial Estate, Andhrahalli main Road, Near Peenya 2nd Stage, Viswaneedam Post, Bengaluru, Karnataka-560091. Email: info@woodtech.in

SUPPLIER OF MACHINE AND RAW MATERIAL

indiamart.com/proddetail/combi-planner-max-15-j1015-20217430373.html

Combi Planner Max-15 J1015, For Wood

₹ 84,600/ Piece [Get Latest Price](#)

Usage/Application	Wood
Power	3/1440
Automation Grade	Semi-automatic
Weight	450 KG
Size	15"
Speed	4000

[View Complete Details](#)

[Contact Seller](#) Ask for best deal [Get Latest Price](#) Request a quote

Moonlit Industries (Regd.)
Sirhind, Fatehgarh Sahib, Punjab
3.7 /5 ★★★★ (41)
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64% Response Rate
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Combi Planner Max-15 J1015, For Wood

indiamart.com/proddetail/3-hp-single-phase-electric-motor-19763797562.html#text=1440%20RPM%203%20HP%20Single%20Phase%20Unit%20%7C%20ID%3A%2019763797562

1440 RPM 3 Hp Single Phase Electric Motor, 220 -240 V

₹ 5,800/ Unit [Get Latest Price](#)

Frequency(hertz)	50 Hz
Speed	1440 RPM
Voltage	220 -240 V
Application	Atta Chakki
Power Source	Electric
Power	3 Hp

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Quantity piece [Get Latest Price](#) Request a quote

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Rajpur, Kuchaman, Nagaur, Rajasthan
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1440 RPM 3 Hp Single Phase Electric Motor, 220 -240 V

Sponsored

and Ranch with Tool Kit - 6 Months Warranty

★★★★☆ ~ 50

₹7,450 ₹8,000 Save ₹1,350 (15%)

prime Get it by Tomorrow, April 6
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ADOLF Folding Pruning Saw, Premium Folding
₹299.00 **prime**
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Sharpx Electric Chain Saw 3000 W 28-Inch Corded Light Weight Easy Chainsaw with Low-Kickback Corded Power 3000 Watt (4HP) Electric Chainsaw

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UMG(ultimate machinery & goods)® Premium Professional Wood Cutter Saw, Gasoline ALKO Plus Heavy

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Blade Grinder With motor

Bosch GSB 20-2 RE Professional Impact Drill

₹ 13,470/- Unit [Get Latest Price](#)

Model Name/Number	GSB 20-2 RE
Brand	Bosch
No Load Speed	1100 / 3000 rpm (1st/2nd gear)
Warranty	1 year
Part Number	06011A21F1
Power Input	800 W

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 Quantity piece [Get Latest Price](#)
Request a quote

Shreeji Sales (a Unit Of Shreeji Traders)
 Mumbai, Maharashtra
 4/5 ★★★★☆ (1)
 Call 07971339622
 82% Response Rate
 TrustSEAL Verified
 Distributor / Channel Partner
 Company Video
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EN 11:54 05-04-2021

Bosch GSB 20-2 RE Professional Impact Drill

Screenshot of the Indiamart product page for a Belt Sander (MATSM-6Z-6201).

Belt Sanders

₹ 25,000/ Unit [Get Latest Price](#)

[Product Brochure](#)

Air Inlet	1/4"
Air Pressure	90 psi
Model No	MATSM-6Z-6201
Hose Size	10 (mm)
Noise Level	84 dBA
Weight	1.4 (Kg)

[View Complete Details](#)

Fill the quantity to get latest price!

Quantity piece [Get Latest Price](#)

[Request a quote](#)

Marvel Abrasive Tools
Prakash Nagar, Bengaluru, Karnataka
3.7 /5 ★★★★☆ (22)
Call 08048763597

86% Response Rate
Star Supplier | TrustSEAL Verified
Manufacturer | Company Video

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Explore similar products | [View all products in Belt Sander >](#)

Windows taskbar at the bottom.

Belt Sanders M/C

Screenshot of the Prince Machines website product page for a Multipurpose Thickness Planner MP 13 Inch.

Multipurpose Thickness Planner MP 13 Inch

Approx. Price: ₹ 73,500 / Unit [Get Latest Price](#)

Product Details:

Feeding Speed	24 (feet per minute)
Surfacing Capacity	267 mm / 10 1/2 inch
Max Planning Width	330 mm / 13 inch
Thickness Capacity	230 mm / 9 inch
Length of Planning Table	1410 mm / 55 1/2 inch
Rebating Capacity	13 mm / 1/2 inch
Length of Thickness Table	865 mm / 34 inch
Cutter Block Speed	3500 rpm
Circular Saw Table Size	457 x 356 mm / 18 x 14 inch

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Multipurpose Thickness Planner MP 13 Inch

indiamart.com/proddetail/turning-lathes-j-921-19399519748.html

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IndiaMART > Woodworking Tools & Machines > Wood Working Machines > Wood Turning Lathe Machines

Turning Lathes J-921

₹ 47,200/ Unit Get Latest Price

Length of Bed	1825 mm / 72 inch
Width of Bed	215 mm / 8 1/2 inch
Height of Centers	203 mm / 8 inch
Admit Between Centers	1220 mm / 48 inch
Approx Spindle Speed	700 / 1400 / 2800 rpm
Face Plate Diameter	190 mm / 7 1/2 inch

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Moonlit Industries (Regd.) Sirhind, Fatehgarh Sahib, Punjab 3.7 /5 ★★★★☆ (41) Call 08048109544 65% Response Rate Star Supplier TrustSEAL Verified Manufacturer Company Video

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Turning Lathes J-921

indiamart.com/proddetail/hitachi-wooden-hand-cutter-22124017391.html?pos=15&lwd=wood%20cutter%20machine&tags=B|||6042.3813|Price|product

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IndiaMART > Drills, Grinders, Saws & Power Tools > Electric Cutting Tools > Wood Cutter

Hitachi Wooden Hand Cutter, Model Name/Number: C7SB2

₹ 4,000/ Piece Get Latest Price

Model Name/Number	C7SB2
No Load Speed	5800/min
Brand	Hitachi
Weight	4.6 Kg
Power Input	1710 W
Saw Blade Diameter	185 mm

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Bhagwati Traders Shyam Nagar, Jaipur, Rajasthan 4.5 /5 ★★★★★ (2) Call 08048988096 68% Response Rate Verified Supplier Wholesaler Company Video Contact Seller Ask for more details from the seller

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Hitachi Wooden Hand Cutter, Model Name/Number: C7SB2- 2 Pcs

SCHEMES AND CONSULTANCY SERVICES



4.1 Existing schemes available and their details

- a) **Credit Guarantee Fund Trust for Micro & Small Enterprises (CGTMSE):** The CGTMSE was launched by Government of India to make available collateral-free credit to Micro & Small enterprises to set up new enterprises. Both the existing and new enterprises are eligible to cover under the scheme. Guarantees coverage from 85%(Micro Unit) to 75%.The credit facilities which are available to be covered both for term loans and /or working capital are collateral free.Loan upto a limit of Rs.200 Lakhs is available for individual MSE on payment of guarantee fee to the Bank by the MSEs. The details of scheme and procedure are available in DC(MSME) website:
<http://dcmsme.gov.in>.
- b) **2% Interest Subvention scheme to MSME:** To encourage both manufacturing and servicing enterprise to increase productivity and provide incentives to MSME for on boarding GST platform which help in formalisation of economy , while reducing the cost of credit. The interest relief will be calculated at two percentage points per annum, on outstanding balance from time to time from the date of disbursal or drawl or the date of notification of this scheme which is later, on the incremental or fresh amount of working capital sanctioned or incremental or new term loan disbursed by eligible institution. The details of scheme and procedure are available in DC(MSME) website:<http:// dcmsme.gov.in>
- c) **Credit Linked Capital Subsidy- Technology Upgradation Scheme(CLCS-TUS):**
There are seven schemes under CLCS-TUS related to technology, design, quality, digital, IPR and ecosystem upgradation with a provision of financial assistance and namedas
 - i)Credit Linked Capital Subsidy Component
 - ii)Digital MSME Scheme
 - iii) Design Scheme
 - iv) Incubator Scheme
 - v)Intellectual Property Rights Scheme
 - vi) Lean manufacturing Scheme
 - vii) ZED Scheme .The details of scheme and procedure are available in DC(MSME) website:
<http://dcmsme.gov.in>.

Some important schemes which are highly applicable for existing and new wooden furniture industries are elaborated herewith

Credit Link Capital Subsidy Component under Credit Linked Capital Subsidy Technology Upgradation Scheme (CLCS-TUS): This scheme aims at facilitating technology up-gradation by providing capital subsidy to MSEs on institutional finance (Credit) availed by them for modernisation of plant and machinery involved in manufacturing process and equipment for rendering services . This scheme also covers MSEs of Khadi & Village Industries, Coir sectors. The CLCS component of the scheme

provides capital subsidy to MSEs @15% for induction of well established & improved technology in select sub-sectors/products. The ceiling limit of amount of loan/institutional finance eligible for subsidy is Rs. 1.00 crore. This scheme is suitable for production of upgraded quality products/furniture to penetrate higher market(Quality conscious buyers) .There are 51 sector/sub-sectors selected under this component . The Wooden furniture atSl.No.XXXV in the list are approved under CLCS component and eligible for capital subsidy. Modern Technology like CNC Wood Router, wood Cutting Machine, CNC Wood Carving machine,Wood Turning Lathe machine,Wood Processing machine, Wood Edge banding machine, Combination Woodworking Machine, 3D Wood Carving Machine, Chain Mortising Machine ,Chisel Mortiser,Infrared Drying Oven, UV Drying Oven etc. may be added in the existing subsector with the approval of committee of experts as per scheme guidelines. The subsidy will be given to existing and new enterprises units having MSE registration. Enterprises with clear ownership 51% & above hold by SC/ST or women will be considered and eligible. The details of scheme and procedure are available in DC(MSME) website: <http://dcmsme.gov.in>.

- d) **Lean Manufacturing Scheme:** The objectives of the scheme is to enhance the manufacturing competitiveness of MSME through application of various Lean Manufacturing(LM) technique by:
- i) Reducing Waste
 - ii) Increasing Productivity
 - iii) Introducing innovative practices for improving overall competitiveness.
 - iv) Inculcating good management systems, and imbibing a culture of continuous improvement

The scheme is applicable for existing enterprises. Financial assistance is provided for implementation of lean manufacturing techniques, primarily the cost of lean manufacturing consultant (80% by GoI and 20% by beneficiaries).The details of scheme and procedure are available in DC(MSME) website: <http://dcmsme.gov.in>.

- e) **ZED Schemes :** The objective of the scheme topromote Zero Defect and Zero Effect manufacturing amongst MSMEs and assessment for their certification so as to :
- i) Encourage and Enable MSMEs for manufacturing quality products using latest technology tools & to constantly upgrade their processes for achievement of high quality with the least effect on environment.
 - ii) Develop an ecosystem for Zero Defect Zero Effect manufacturing in MSMEs, for enhancing competitiveness and enabling exports.
 - iii) Promote adoption of Quality and recognizing the efforts of successful MSMEs.
 - iv) Increase public awareness on demanding Zero Defect and Zero Effect Products through the ZED rating and grievance redressal portal. The details of scheme and procedure are available in DC(MSME) website: <http://dcmsme.gov.in>.

The financial assistance will be provided to the Udyog registered MSMEs in obtaining ZED certification in terms of reimbursement of certification fees / consultancy charges on successful certification . MSMEs can claim financial assistance as per maximum ceiling in accordance to scheme guidelines.

f) **Procurement and Marketing Support(PMS):** The objective of the scheme a) To promote new market access initiatives like organising / participation in National Trade Fairs/ exhibition/MSME ExPoetc b) To create awareness and educate MSMEs about importance /methods/process of packaging in marketing, latest developments in international and national trade and other subjects / topics relevant for market access developments. c) To create more awareness about trade fairs , digital advertising, e-marketing, GST, GeM portal, Public Procurement Policy. The details of scheme and procedure are available in DC(MSME) website: <http://dcmsme.gov.in>. The Furniture Expo , show casing various product design, quality & function may be organised at important places various parts of India throughout the year. Similarly Furniture manufacturing MSMEs may participate in Various International Expo to develop international market for exporting of products.

g) **Micro & Small Enterprises – Cluster Development Programme (MSE-CDP):**

The objectives of the scheme

- i) To support the sustainability & growth of MSEs by addressing common issues such as improvement of Technology , skill , Quality, market access etc.
- ii) To build capacity of MSEs for common supportive action through formation of self help groups, consortia, upgradation of association etc.
- iii) To create / upgrade infrastructural facilities in the new / existing Industrial areas/ Clusters of MSEs
- iv) To set up Common facilities Centres (for testing, training, raw material depot, effluent treatment , complementing production process etc)
- v) Promotion of green & sustainable manufacturing technology for the clusters so as to enable units switch to sustainable and green production processes and products.

The GoI grant of will be restricted to 70% of the cost of Common Facilities Centre Project of maximum Rs. 20.00 crore. GoI grant will be 90% for CFCs in NE& Hill states, Island territories, Aspirational Districts/LWE affected Districts ,clusters with more than 50% a) micro/village or b) women owned or c)SC/ST Units. The cost of project includes cost of land subject to maximum 25% of Project Cost, Building, Pre-operative & Preliminary Expenses, machinery &equipments, misc. fixed assets, support infrastructure such as water supply, electricity, margin money for working capital. The details of scheme and procedure are available in DC(MSME) website: <http://dcmsme.gov.in>.

h) **Digital MSME Scheme:** The main objective of the scheme is to make MSMEs digitally empowered and motivate them to adopt ICT tools and applications in their production & business processes with a view to improve competitiveness in national & international market. The output of the scheme are

- i) Empower& enable MSMEs to harness IT as a medium of communication to revamp market access to update managerial & technical knowledge through online.

ii)Evolving internal efficiencies by way of intense ICT intake and automating procedure for cost reduction and capacity enhancement for information access, processing, collaboration and dissemination. MSMEs are expected to be benefitted in terms of standardisation of business processes, improvement in delivery time, reduction in inventory cost, improvement in productivity, quality of production, controlling of cost & time and improved customer satisfaction. The details of scheme and procedure are available in DC(MSME) website: <http://dcmsme.gov.in>.

I) State Government Schemes : Every state government provides various Incentives, Assistance, Infrastructural supports like industrial land/plots/ Shed, Electricity, Fiscal support , Technology (Machinery &Equipments) &Marketing support and other supports to encourage to set up MSME with a view of development of economy of the state and eradicate unemployment. The state governmentschemes varies from state to state and applicable for the MSME registered with the concerned state only. The details of the state government schemes are available with State Directorate of Industries or District Industries Centres.

4.2 Proposed scheme (if existing is not suitable)

Scheme of reimbursement towards Standardisation of Office Furniture (Testing, Product Certification& System Certification):

- i) To grow the market, improvementof the quality throughadoption of BIS product certification andSystem Certification (ISO:14001) besides design &elegant lookoffurniture, is a very important criteria. Therefore, Testing & Product Certification as per National Standards(BIS) is essentially required. Similarly, for exporting, Testing & Product Certification as per International Standards (UL, CE, etc.) Certifications are essentially required. AIOTACertification is required for Ergonomically Designed office furniture. Therefore, it is proposed forreimbursementof75% of the expenditure made or Rs.5,00,000/- towards Testing, Product/ System Certification to MSEs for upgradation of product quality through obtaining BIS product certification, wide penetration in domestic market and import substitute furniture itembesideright quality for export purposes.

There is existing scheme, under SC-ST Hub , Reimbursement of 50% or Rs. 1,00,000/- whichever is lower charged as Testing Fees, for availing testing services from NABL accredited laboratories & licence or certification fee from BIS in a financial year. There is limitation that scheme is applicable for SC or ST entrepreneurs not applicable for general entrepreneurs. Accordingly it is proposed Scheme of reimbursement towards Standardisation of Office Furniture (Testing, Product Certification & System Certification)

ii) Under CLCS-TUS, it is proposed that MSEs shall be given 25-50% subsidy for 50-100% export oriented unit for adoption of CNC machinery and fast drying system viz. UV/ Infrared etc and these are mandatory technology for export production.

4.3 Details of agencies who can provide guidance (CSIR, MSME TCs, Sector councils, etc)

- i) Indian Council of Forestry Research and Education and its various Institutes & Centres thorough out India like Forest Research Institute, Dehradun & others, Website: www.icfre.org
- ii) Indian Plywood Industries Research & Training Institute, Bangalore. Website: www.ipirti.gov.in/kolkata.html, email: ipirtikolkata@ipirti.gov.in
- iii) Indian Plywood Industries Research & Training Institute, Field Station, Kolkata. Website: www.ipirti.gov.in , email: director@ipirti.gov.in
- Iv) Renowned &Reputed associations viz. Furniture Manufacturer & Trader Associations., Website: www.afmt.in

The End of Report



