

# Furniture Requirement

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- Furniture requirement depends on the utility of the specific room and furniture
- Purpose of furniture planning is
  - to avoid overcrowding
  - to maintain space for circulation
  - To maintain provision for enough openings

# Living Rooms

- Living room furniture serves following purposes:
  - Conversation
  - Reading
  - Writing
  - Recreation
- Furniture provided according to
  - Space available
  - Taste of occupant
  - Financial capacity of occupant



# Minimum Furniture required in living room

Conversation	Reading and writing	Playing indoor games	Recreation (viewing TV)
<ul style="list-style-type: none"><li>• Four or five chairs</li><li>• Sofa</li><li>• Table</li></ul>	<ul style="list-style-type: none"><li>• Desk with one or two chairs</li><li>• Book cases/shelves</li></ul>	<ul style="list-style-type: none"><li>• Table with minimum 4 chairs</li></ul>	<ul style="list-style-type: none"><li>• Sofas or chairs</li><li>• Table or shelf for TV</li><li>• Coffee table</li></ul>

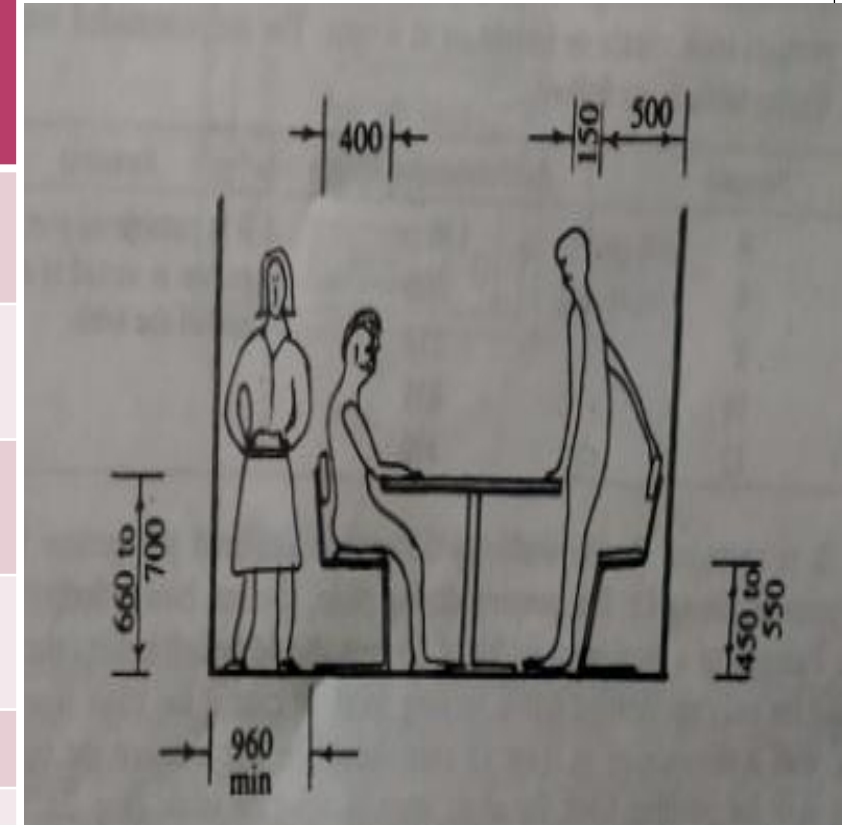
Therefore **minimum furniture** required in living room:

- one or two long sofa or 4-5 chairs as a set
- Desk of moderate size
- Coffee table

Must ensure open space for movement and space for openings

# Minimum clearance of furniture in living room

Distance or clearance between	Min clearance	purpose
Any wall face to the edge of table	90 cm	to enable person using chair to push back easily when leaving
Side by side chairs Chair nearer to cupboard	45 cm 60- 75 cm	Comfortable seating
Door to door passage width	180 cm	No obstruction (Doors not located at centre of wall)
Writing desk and other seating units	100 cm	To avoid obstruction
TV and viewing seats	360 cm	For better view
Seating units facing each other	180 cm	Space for circulation and table



# Dining Rooms

- Dining room furniture serves following purposes:
  - Eating
  - Serving
- Furniture provided according to
  - Space available
  - Number of persons to be seated at a time
  - Requirement of space for other furniture
  - Requirement of space for movement and storage



# Size of dining table

- Minimum length:
  - Depends on no. of seating (for residential buildings max. 8 at a time)

<i>Persons</i>	<i>Recommended length</i>	<i>Remarks</i>
4	150 cm	It is considered that one person is seated at each end of the table.
6	200	
8	275	
10	335	
12	390	

- Minimum width:
  - 90 – 110 cms
  - Min. width of 63 cm is required per person on table for dining i.e for dinner plate, glass, bowls, spoon, fork etc

- Minimum height:
  - 70 – 75 cms

## COMMON DINING TABLE SIZES

Square tables	— 0.60 × 0.60, 0.75 × 0.75, 0.90 × 0.90, 1.20 × 1.20
Round tables	— 0.80 to 1.80 m dia
Rectangular tables	— Width from 0.75 cms to 120 cms and length from 105 cms to 240 cms.

# Size of dining chairs

The usual sizes of dining chairs are as under:

Overall height	— 87 to 99 cms
Height of seat	— 45 to 55 cms
Width	— 45 to 60 cms
Depth	— 45 to 56 cms.

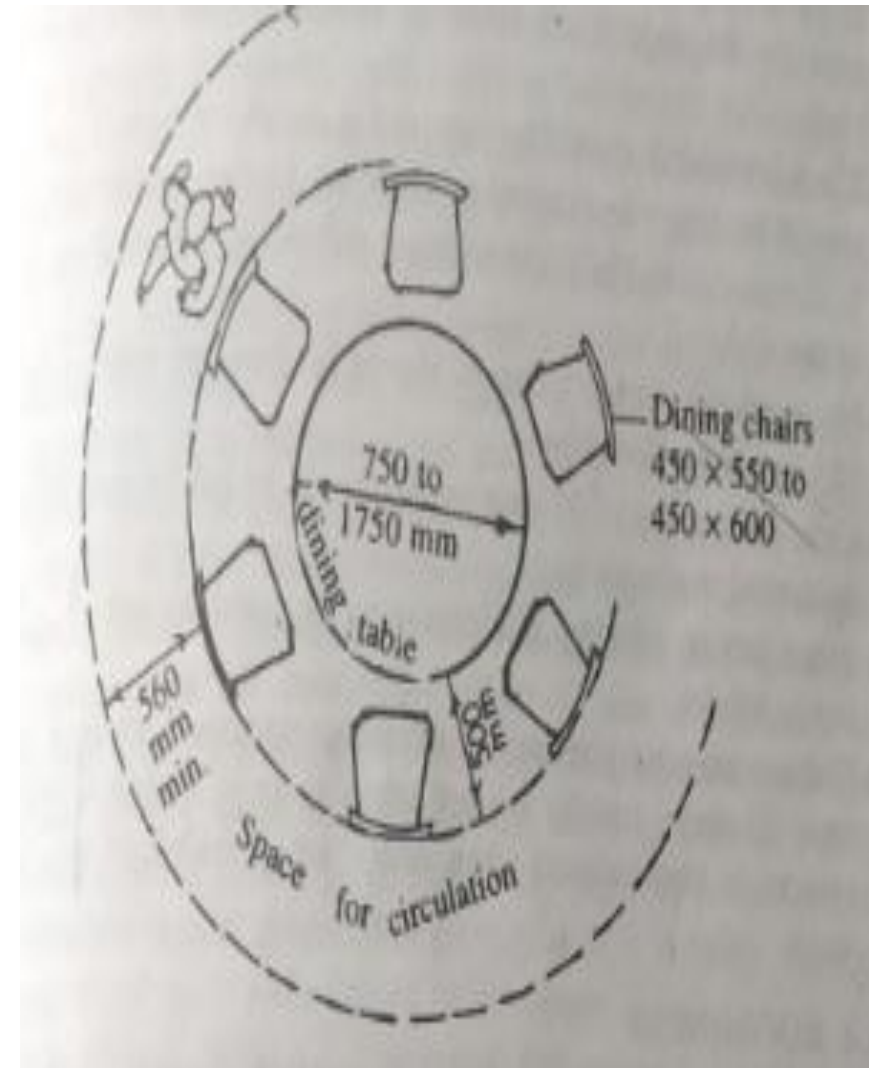
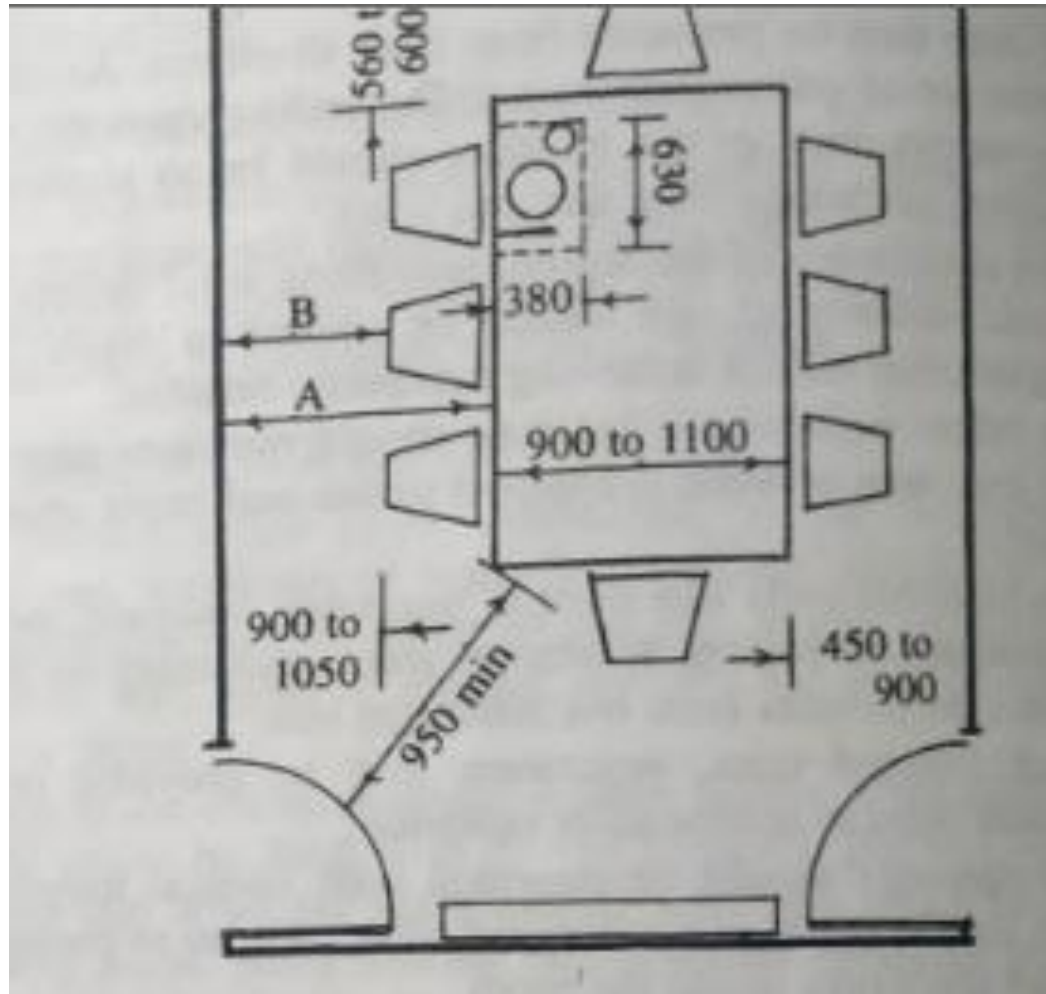
Besides dining table and chairs, etc.



# Clearance in and around dining table

- Minimum width of passage behind dining chair = 56 cm for easy movement while serving food
- If chair is near to wall, a min distance of 15 cm should be there for pushing back the chair

RECOMMENDED CLEARANCES:			
	<i>Chair only (mm)</i>	<i>Human passage only (mm)</i>	<i>Tray re (mm)</i>
A	600	1000	150
B	100	500	950



# Bed Rooms

- Nature of furniture required:
  - Beds (according to number of occupants in one bedroom)
  - Writing/readig desk with chair
  - Bed side tables
  - Bed room chairs
  - Dressing table
  - Almirahs/cupboards

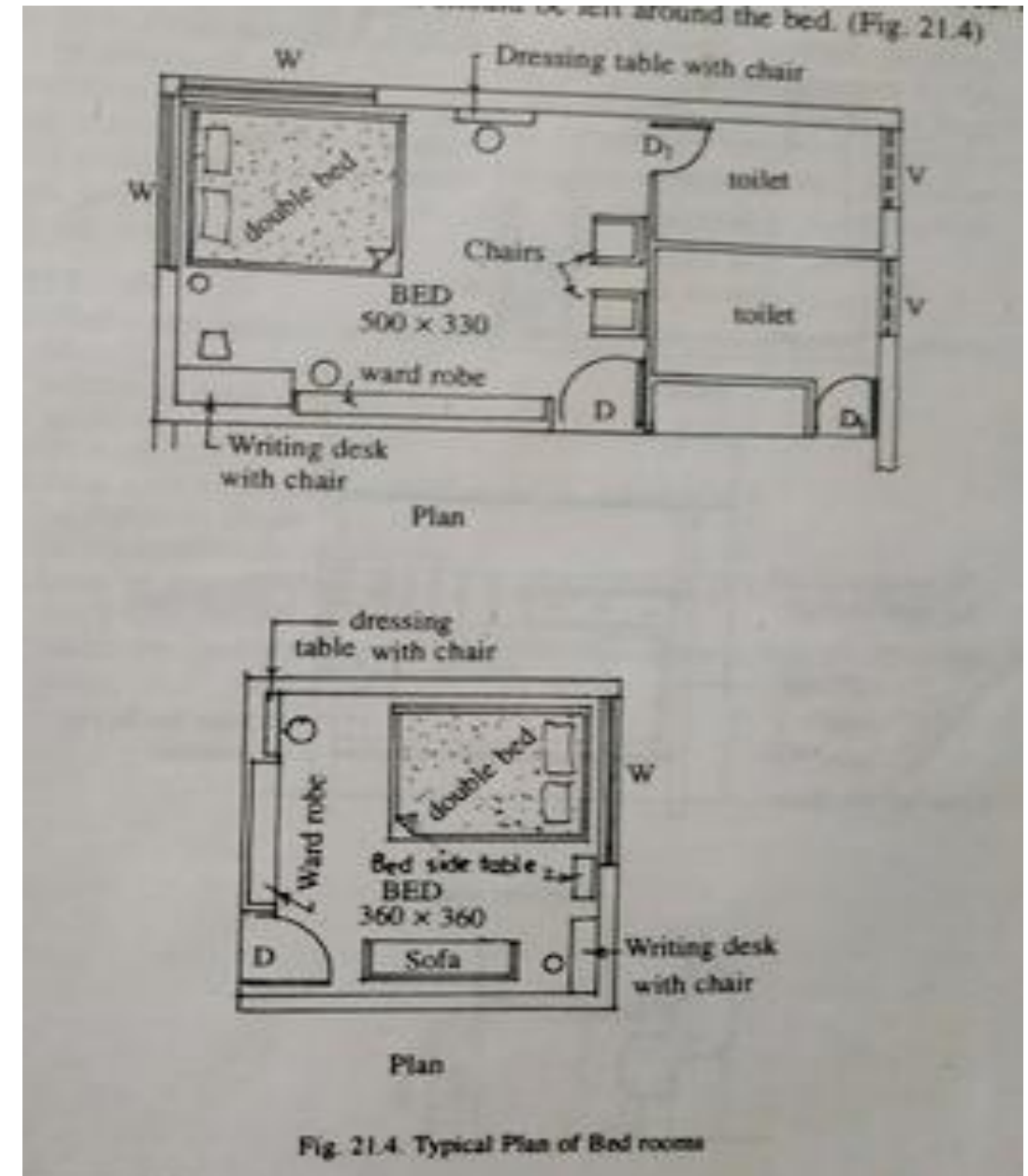


# Sizes of Bed room Furniture

The usual sizes of bed room furniture are as follows:

<i>Unit</i>	<i>Length</i>	<i>Width</i>
Beds: Single	2.13 m	1.00 m
Twin single (each)	2.13 m	1.15 m
Double	2.13 m	1.80 m
Writing desk	0.90 to 1.20 m	0.45 to 0.60 m
Dressing table	0.90 to 1.25 m	0.38 to 0.56 m
Bed table	0.36 to 0.60 m	0.36 to 0.60 m
Bed room chairs	0.75 to 0.86 m	0.82 to 0.97 m

- For better space utilization, beds should be placed at corners but with a minimum gap of 5 cm from wall
- Min height of 0.45 m above floor level
- No obstruction like wall, chair etc should be within a distance of 0.60 m from bed
- Clear walking space of 0.60 m should be around the bed



# KITCHEN

- According to need and financial capability , kitchen includes:
- Refrigerator
- Cooking range
- Dishwasher
- Mixer
- Toaster
- Wash basin



## Points to be considered while planning a kitchen:

- Cooking platform can be L, U or Corridor type with min width 40 – 60 cm and min height 75 – 86 cm from floor level tabled with semi-polished stone slab
- Wall area above cooking platform must be covered with wall tiles atleast 45 cm from level of platform for neat and clean walls (due to water, oil splashing)
- Washing sink provided at end of cooking platform and should be nearer to external window. No electrical appliance should be fixed within a distance of 80 cms near sink.
- No overhead storage cabinet must be provided within a height of 155 cm above floor level.



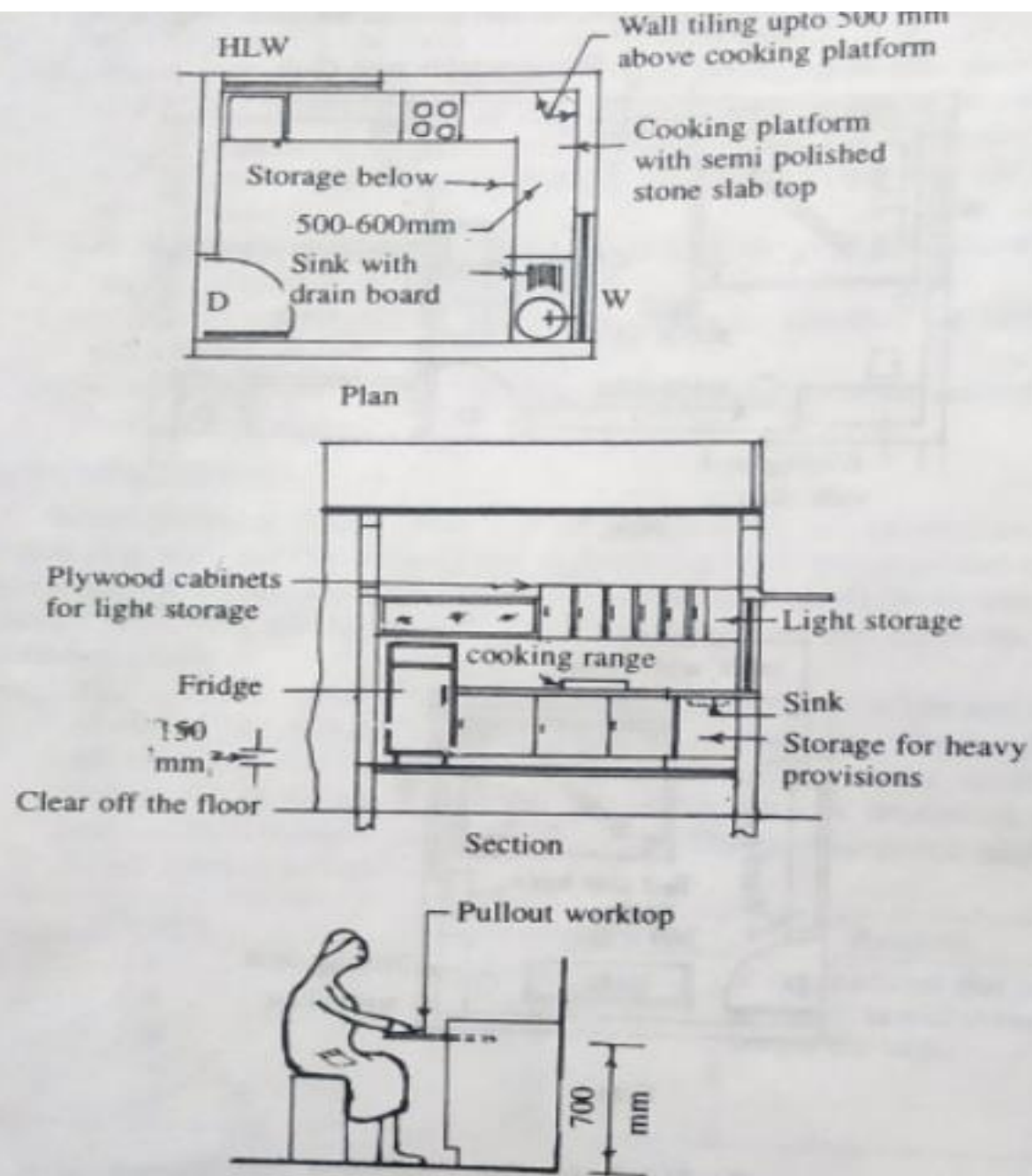


Fig. 21.5. Type I kitchen layout