

नेपाल सरकार  
भौतिक योजना तथा निर्माण मन्त्रालयको  
सूचना

भवन नियमावली, २०६६

भवन ऐन, २०५५ को दफा २२ ले दिएको अधिकार प्रयोग गरी नेपाल सरकारले देहायका नियमहरु बनाएकोछ ।

१. संक्षिप्त नाम र प्रारम्भ: (१) यी नियमहरुको नाम “भवन नियमावली, २०६६” रहेको छ ।

(२) यो नियमावली तुरुन्त प्रारम्भ हुनेछ ।

२. परिभाषा: विषय वा प्रसङ्गले अर्को अर्थ नलागेमा यस नियमावलीमा,-

(क) “ऐन” भन्नाले भवन ऐन, २०५५ सम्भन्नु पर्छ ।

(ख) “गाउँ विकास समिति” भन्नाले भवन ऐन, २०५५ लागू भएको गाउँ विकास समिति सम्भन्नु पर्छ ।

३. भवन निर्माण गर्नु अघि स्वीकृति लिनु पर्ने: (१) ऐनको दफा ११ को उपदफा (१) मा उल्लिखित ‘क’ ‘ख’ वा ‘ग’ वर्गको भवन निर्माण गर्न चाहने व्यक्ति, संस्था वा सरकारी निकायले नक्सा स्वीकृतिको लागि नगरपालिका समक्ष अनुसूची-१ बमोजिमको ढाँचामा दरखास्त दिंदा डिजाइन समेत पेश गर्नु पर्नेछ ।

(२) ऐनको दफा ११ को उपदफा (२) मा उल्लिखित ‘क’ वा ‘ख’ वर्गको भवन निर्माण गर्न चाहने व्यक्ति, संस्था वा सरकारी निकायले भवनको नक्सा र डिजाइन र ‘ग’ वर्गको भवन निर्माण गर्न चाहने व्यक्ति, संस्था वा सरकारी निकायले भवनको नक्सा तयार गरी स्वीकृतिको लागि अनुसूची-१ बमोजिमको ढाँचामा सम्बन्धित जिल्लाको शहरी विकास कार्यालयमा दरखास्त दिनु पर्नेछ ।

(३) उपनियम (२) बमोजिम प्राप्त भएको दरखास्त उपर शहरी विकास कार्यालयले आवश्यक जाँचबुझ गर्नेछ र त्यसरी जाँचबुझ गर्दा कुनै थप कागजात आवश्यक देखिएमा दरखास्तवालासँग त्यस्तो कागजात माग गर्न सक्नेछ ।

(४) उपनियम (३) बमोजिम जाँचबुझ गर्दा दरखास्तवालाको व्यहोरा मनासिब देखिएमा शहरी विकास कार्यालयले भवन निर्माण गर्दा पालना गर्नु पर्ने शर्त तोकी दरखास्त परेको मितिले तीस दिनभित्र भवनको नक्सा वा डिजाइन स्वीकृत गर्नु पर्नेछ ।

४. विशेषज्ञको योग्यता: नेपाल सरकारले ऐनको दफा ३ को उपदफा (२) को खण्ड (ज) बमोजिम समितिको सदस्य मनोनयन गर्दा देहायको योग्यता भएका व्यक्तिहरुमध्येबाट गर्नेछ :-
- (क) आर्किटेक्चर वा सिभिल इन्जिनियरिङ्ग विषयमा कम्तीमा स्नातकोत्तर उपाधि हासिल गरी ऐनको दफा ८ को खण्ड (क) वा (ख) बमोजिमका भवन निर्माण सम्बन्धी कार्यमा कम्तीमा दश वर्षको अनुभव हासिल गरेको, वा
  - (ख) आर्किटेक्चर वा सिभिल इन्जिनियरिङ्ग विषयमा कम्तीमा स्नातक उपाधि हासिल गरी ऐनको दफा ८ को खण्ड (क) वा (ख) बमोजिमको भवन निर्माण सम्बन्धी कार्यमा कम्तीमा पन्ध्र वर्षको अनुभव हासिल गरेको ।
५. भवन संहिताको प्रतिलिपि दस्तुर: भवन संहिताको प्रतिलिपि प्राप्त गर्न चाहने व्यक्तिले अनुसूची-२ बमोजिमको दस्तुर बुझाई शहरी विकास कार्यालयबाट प्राप्त गर्न सक्नेछ ।
६. अनुसूचीमा हेरफेर तथा थपघट गर्न सक्ने: नेपाल सरकारले नेपाल राजपत्रमा सूचना प्रकाशन गरी अनुसूचीमा आवश्यक हेरफेर तथा थपघट गर्न सक्नेछ ।

अनुसूची १

(नियम ३ को उपनियम (१) र (२) सँग सम्बन्धित)

दरखास्त फाराम

श्री.....कार्यालय  
..... ।

निम्न जग्गामा ..... वर्गको भवन निर्माण गर्न तपसिल बमोजिमको नक्सा तथा कागजात संलग्न गरी स्वीकृत / अग्रिम डिजाइन सहमतिको लागि अनुरोध छ ।

भवन निर्माण स्थल:-

.....जिल्ला .....न.पा./गा.वि.स./वडा नं.....नक्सा नं.....कित्ता नं.....

निवेदकको नाम:-

ठेगाना:-

फोन नं.:-

निवेदकको दस्तखत :-

मिति:-

भवन ऐन, २०५५ को दफा ८ बमोजिम डिजाईन प्रयोजनको निम्ति प्रयोग गरिएको भवनको किसिम कुन हो सोमा रेजा ✓ चिन्ह लगाउनु होस् ।

(क) “क” वर्ग

(ख) “ख” वर्ग

(ग) “ग” वर्ग

संलग्न कागजातहरु:-

१) आर्किटेक्चरल नक्सा थान:-

S.No.	Drawings	No. of Sheets
1.	Floor plans	
2.	Elevations	
3.	Two sections-Longitudinal Section and Cross Section (One of the section should be through staircase).	
4.	Site plan	

5.	Elevation of Doors and windows showing its openings and sizes.	
6.	Staircase Details.	
7.	Ramp Detail	
8.	Others (if any)	

२) स्ट्रक्चरल नक्सा थान:-

S.No.	Drawings for frame structure	No. of Sheets
1.	Column Reinforcement for critical column (indicate position of the column in structure)	
2.	Critical beam reinforcement (indicate position)	
3.	Slab reinforcement	
4.	Staircase reinforcement	
5.	Trench plan and toe wall detail	
6.	Critical foundation detail (indicate position)	
7.	Ductile detailing of Beam and column joint	
8.	Others (if any)	
S.No.	Drawings for Load Bearing Buildings	No. of Sheets
1.	Architectural plan of each floor showing vertical steel reinforcement at critical sections.	
2.	Trench plan and foundation details	
3.	Slab reinforcement	
4.	Wall cross section	
5.	Others (if any)	

३) स्यानिटरी नक्सा थान:- “क” बर्ग र “ख” बर्गको लागि मात्र

S.No.	Drawings	No. of Sheets
1.	Toilet detail plan (each floor)	

2.	Roof plan	
3.	Site plan	
4.	Plans of Underground water tank, Septic tank, Soakpit and Manhole	
5.	Isometric drawing (flow diagram chart)	
6.	Section (toilet with duct detail)	
7.	Drainage detail	
8.	Fire fighting system.	
9.	Others (if any)	

४) ईलेक्ट्रीकल नक्सा थान:- “क” वर्ग र “ख” वर्गको लागि मात्र

S.No.	Drawings	No. of Sheets
1.	Layout	
2.	Wiring	
3.	Schematic	
4.	Others (if any)	

५) कित्ता नापी नक्सा:-

६) ऐनको दफा १० र ११ को उपदफा (३) को प्रयोजनका लागि भवन निर्माणमा संलग्न प्राविधिक/ परामर्शदाताको करारनामा:-

७) प्राविधिक विवरण फारामहरु:-

(क) आर्किटेक्चरल डिजाइन सम्बन्धी:-

(ख) स्ट्रक्चरल डिजाइन सम्बन्धी:-

(ग) स्यानिटरी डिजाइन सम्बन्धी “क” वर्ग र “ख” वर्गको लागि मात्र:-

(घ) ईलेक्ट्रीकल डिजाइन सम्बन्धी “क” वर्ग र “ख” वर्गको लागि मात्र:-

नोट:

(१) स्केलको हकमा सबै नक्साहरु १:१०० वा १"= ८' हुनु पर्ने र डिटेल्हरु १:५० वा १"= ४' भन्दा कमको हुन नहुने । साईट प्लानको हकमा एक रोपनीसम्म १:१०० वा १" = ८' र एक रोपनी देखि माथि १:२०० वा १" = १६' हुनु पर्नेछ ।

(२) डिजाईन सहमति प्रदान गर्ने क्रममा निर्माण स्थल निरीक्षण गर्नु पर्ने भएमा निर्माण स्थल निरीक्षण गराउनु पर्ने छ ।

आवश्यक गराउनु पर्नेछ ।

- (३) “क” बर्ग र “ख” बर्गको हकमा Technical Detail Form No. 1 को Form A, B, C, तथा D भर्नु पर्नेछ ।
- (४) “ग” बर्गको हकमा Technical Detail Form No. 1 को Form A, र Technical Detail Form No. 2 को Structural Design Requirements भर्नु पर्नेछ।
- (५) अनुसूची १ कार्यान्वयनको सम्वन्धमा कुनै दुबिधा उत्पन्न भएमा समितिको निर्णयानुसार हुनेछ ।

# Technical Detail Form No. 1

“क” बर्ग र “ख” बर्गको भवनको लागि

**(A) NBC Code 206: 2003 - Architectural Design Requirements.**

(To be filled by concerned Architect or Consultant)

Type of Building.....

Building Elements	As per Submitted Design	Remarks
<b>1.0 Staircase</b>		
1.1 Min. tread width of staircase	..... mm excluding nosing	
1.2 Riser height of staircase	....mm	
1.3 Clear width of staircase for		
a) Hospital	....mm	
b) Auditorium		
- below 500 capacity		
- Above 500 capacity		
c) Others	.....mm	
1.4 Height of handrail	....mm	
1.5 Max. no of riser in one Single flight	.....Nos.	
1.6 Max. head room under staircase from the nosing of the tread	.....mm	
<b>2.0 Exit</b>		
2.1 Max. travel distance to exit point in each floor	....mm	
2.2 Min. width of exit door including frame	....mm	
2.2Min. height of exit door including frame	....mm	
2.3 Shutter opening of exit door to staircase & public Passage	Inside/Outside	
2.4 Total width of exit door	.....mm	
<b>3.0 Light and Ventilation</b>		
3.1 Min. opening area of window for lighting largest habitable room from external wall	.....sq. m.	
3.2 Min. opening area of natural ventilator for largest	.....sq.m.	

habitable room from external wall		
3.3 Min. size of ventilator for water closets and bathroom	.....sq.m.	
<b>4.0 Lifts</b>		
4.1 Total height of building	.....mm	
4.2 Provision of lift.	Yes/No	
4.3 No. of lift per bank	.....nos.	
<b>5.0 Requirement for the physically disabled</b>		
5.1 Is there a provision of separate entrance for disable people next to the primary entrance of a building	Yes/No	
5.2 Max. gradient for wheel chair ramp at entrance of building		
5.3 Min. width of wheel chair ramp at entrance of building.	.....mm	
<b>6.0 Parapet heights</b>		
6.1 The height of parapet wall & balcony handrail	.....mm	

# Technical Detail Form No. 1

## (B) NBC 208: 2003- Sanitary and Plumbing Design Requirements

(To be filled by concerned Engineer or Consultant)

Description	Design Capacity	Water consumption per capita per day as per submitted design	Water Storage Capacity	Remarks
<b>Underground Water Tank.</b>				
<b>1. Type of building</b>				
1.2) Auditorium	..... Nos.	..... Litres		
A.1.2) Hospital including laundry per bed				
a) Number of beds < 100 bed	.....Bed.	..... Litres.		
b) Number of beds > 100 bed	..... Bed.	.....Litres.		
1.3) Office building	.....Nos.	.....Litres.		
<b>2. Overhead water tank for Lavatory</b>				
a) Auditorium/Office Building	....(nos of w.c).	..... Litres.		
b) Hospital	....(nos. of urinal.)	.....Litres.		
	...(nos of w.c).	....Litres.		
Description	Design Capacity	Fixtures provided as per submitted design	Total	Remarks
<b>2.1 Fire Hydrant System. Hospital/ Auditorium (Indoor)</b>				
2.2) No of floors	....Nos.	....Nos. of wet risers		

	of floor			
2.3) Floor area	M <sup>2</sup>	.... Nos. of wet risers		
2.4) Capacity of wet riser for underground water tank	-	.....Litres.		
<b>2.2 Type of buildings</b>				
Office building				
<b>Gents Toilet:</b> Nos of users--.....				
a) Water closet	-	.....Nos.		
b) Urinal	-	.....Nos.		
c) Basin	-	.....Nos.		
<b>Ladies Toilet:- Nos of users--.....</b>				
a) Water closet	-	.....Nos.		
<b>Auditorium</b>				
<b>Public toilet (Gents Toilet): Nos of users--.....</b>				
a) Water closet	-	.....Nos.		
b) Urinal	-	.....Nos.		
c) Basin	-	.....Nos.		
<b>Ladies Toilet:- Nos of users--....</b>				
a) Water closet	-	.....Nos.		
<b>Staff toilet (Ladies/Gents Toilet): Nos. of users--.....</b>				
a) Water closet	-	.....Nos.		
<b>Hospital indoor patient ward (For Ladies and Gents Toilet):- Nos. of users--.....</b>				
a) Water closet	-	.....Nos.		
b) Wash basin	-	.....Nos.		
c) Bath (Shower)	-	.....Nos.		
d) Cleaner sink (Kitchen sink)	-	.....Nos.		

# Technical Detail Form No. 1

## (C) NBC 207: 2003-- Electrical Design Requirements

(To be filled by concerned Engineer or Consultant)

S.No.	Electrical Elements	As per Submitted Design
<b>1. Rating and sizes</b>		
1.1.	Minimum size (sq. mm.) of copper cable for light circuit	
1.2.	Minimum size (sq. mm.) of copper cable for power circuit	
1.3.	Wattage of ordinary power socket (2 pin) estimated as	
1.4.	Wattage of power socket outlet (3pin) estimated as	
1.5.	Wall thickness of cast iron switch or regulator boxes	
1.6.	Wall thickness of mild steel sheet switch or regulator boxes for upto 20cm.x 30cm.	
1.7.	Wall thickness of mild steel sheet switch or regulator boxes for above 20cm.x 30cm.	
1.8.	Depth of the switch or regulator boxes	
<b>2. Maximum number of cables in a conduit</b>		
2.1	No. of 2.5 sq.mm. cross-sectional area cable in 20mm. dia conduit	
2.2	No. of 4 sq.mm. cross-sectional area cable in 20mm. dia conduit	
2.3	No. of 6 sq.mm. cross-sectional area cable in 20mm. dia conduit	
2.4	No. of 2.5 sq.mm. cross-sectional area cable in 25mm. dia conduit	
2.5	No. of 4 sq.mm. cross-sectional area cable in 25mm. dia conduit	
2.6	No. of 6 sq.mm. cross-sectional area cable in 25mm. dia conduit	
2.7	No. of 2.5 sq.mm. cross-sectional area cable in 32mm. dia conduit	
2.8	No. of 4 sq.mm. cross-sectional area cable in 32mm. dia conduit	
2.9	No. of 6 sq.mm. cross-sectional area cable in 32mm. dia conduit	

<b>3. Earthing</b>		
3.1	The value of any earth system resistance unless otherwise specified	
3.2	Diameter of rod electrodes of steel or galvanized iron	
3.3	Diameter of rod electrodes of copper	

3.4	Internal diameter of pipe electrodes of galvanized iron or steel	
3.5	Internal diameter of pipe electrodes of cast iron	
3.6	The length of the rod & pipe electrodes	
3.7	Thickness of plate electrodes of galvanized iron or steel	
3.8	Thickness of plate electrodes of copper	
3.9	Size of plate electrodes of galvanized iron or steel or copper	
3.10	Depth of the top edge of plate electrodes buried from ground	

#### 4. Testing

4.1	Insulation resistance (Mohm) between earth and the whole system of conductor or any section thereof	
4.2	Insulation resistance (Mohm) between the metallic case and all live part of each rheostat, appliance and sign when they are disconnected,	
4.3	Insulation resistance (Mohm) between all the conductors connected to one pole or phase conductor and all the conductor connected to the middle wire or to the neutral or to the other pole of the phase conductor	
4.4	The applied dc voltage (Volt) of mejingering	
4.5	Each switch is placed in phase or neutral?	

#### Note:

1. When substation and external electrical works are required, designer must comply NBC 207: 2003 or/ an relevant international electrical codes.
2. Designer is advised to consider lightning protection designated by international electrical codes.

# Technical Detail Form No. 1

## **(D) NBC 000: 1994 to NBC 114: 1994 Structural Design Requirements**

(To be filled by concerned Engineer or Consultant)

S.N.	Description	As per submitted design	Remarks
<b>1. General:</b>			
	Number of Storey		
	Total height of structure		
	Structure system	<input type="checkbox"/> Frame <input type="checkbox"/> Load bearing <input type="checkbox"/> Other	
	If Computer Aided Design (CAD) is used, please state the name of the package		
<b>2. Requirements of NEPAL NATIONAL BUILDING CODE (NBC)</b>			
<b>2.1 NBC-000-1994 Requirements for State-of-the Art Design: An Introduction</b>			
	Level of design:	<input type="checkbox"/> International State-of-the-art <input type="checkbox"/> Professionally Engineered Structures <input type="checkbox"/> Mandatory Rule of thumb <input type="checkbox"/> Guidelines to rural building	
<b>2.2 NBC 101: 1994 Materials Specifications</b>			
	Tick the listed materials that will be used in the construction	<input type="checkbox"/> Cement <input type="checkbox"/> Coarse Aggregates <input type="checkbox"/> Fine Aggregates (Sand) <input type="checkbox"/> Building Lime <input type="checkbox"/> Natural building stones <input type="checkbox"/> Bricks <input type="checkbox"/> Tiles <input type="checkbox"/> Timber <input type="checkbox"/> Metal frames <input type="checkbox"/> Structural steel .....*	
	In what manner/ way have you used		
<b>2.3 NBC 102-1994 Unit Weight of Materials</b>			
	Where do you plan to apply NBC 102 ? Specify the design unit weight of materials Steel	<input type="checkbox"/> Specifications <input type="checkbox"/> Design Calculation <input type="checkbox"/> Bill of Quantity	

	Brick RCC Brick Masonry		
Note:* If any materials other than specified in NBC 102-1994, the designer should take responsibility that such materials are according to international standard.			
<b>2.4 NBC 103-1994 Occupancy load (Imposed Load)</b>			
	Proposed occupancy type (fill in only concerning occupancy type)	Occupancy load	
		Uniformly Distributed load (kN/m <sup>2</sup> )	Concentrated Load (kN)
	<u>For Residential Buildings</u>		
	Rooms and Kitchen		
	Corridors, Staircase, store		
	Balcony		
	<u>For Hotels, Hostels, Dormitories</u>		
	Living, Bed and dormitories		
	Kitchen, Corridors, Staircase		
	Store rooms		
	Dining, restaurants		
	Office rooms		
	.....		
	<u>For Educational Buildings</u>		
	Class rooms, Dining rooms		
	Kitchen		
	Stores		
	Libraries and archives		
	Balconies		
	.....		
	<u>For Institutional Buildings</u>		
	Bed rooms, wards, dressing rooms		
	Kitchen		
	X-ray rooms, operating rooms		

	Corridors and Staircase			
	Balconies			
	.....			
	<u>For Assembly Buildings</u>			
	Assembly areas			
	Projection rooms			
	Stages			
	Corridors, Passage and Staircase			
	Balconies			
	.....			
	<u>For Business and Office Buildings</u>			
	Rooms with separate storage			
	Rooms without separate storage			
	File rooms and storage rooms			
	Stair and passage			
	Balconies			
	.....			
	<u>Mercantile Buildings</u>			
	Retail shops			
	Wholesale shops			
	Office			
	Staircase and passage			
	Balconies			
	.....			
	<u>Industrial Buildings</u>			
	Work area without machinery			
	With machinery: Light duty			
	Medium duty			
	Heavy duty			
	Boiler			
	Staircase, Passage			
	<u>Storage buildings</u>			

	Storage rooms			
	Cold storage			
	Corridor and Passage			
	Boiler rooms			
<b>2.5 NBC 104-1994 Wind load</b>				
	Wind zone			
	Basic wind velocity		m/s	
<b>2.6 NBC 105-1994 Seismic Design of Buildings in Nepal</b>				
	Method of earthquake analysis:	<input type="checkbox"/> Seismic Coefficient method		
		<input type="checkbox"/> Model Response Spectrum method		
		<input type="checkbox"/> .....		
	Subsoil category			
	Fundamental transactions period			
	Basic seismic coefficient			
	Seismic zoning factor			
	Importance factor			
	Structural performance factor			
<b>2.7 NBC 106: 1994 Snow load</b>				
	Snowfall area	<input type="checkbox"/> Perennial <input type="checkbox"/> Occasional		
		<input type="checkbox"/> No snowfall		
	Elevation			
	Design Depth			
	Design Density			
<b>2.8 NBC 107: 1994 Provisional Recommendation on Fire Safety</b>				
	Where do you plan to apply the fire safety requirements specified in NBC 107 and NBC 206-1994 ?	<input type="checkbox"/> Specifications <input type="checkbox"/> Design Calculation		
		<input type="checkbox"/> Bill of quantity		
<b>2.9 NBC 108: 1994 Site Consideration for Seismic Hazards</b>				
	Distance from toe/beginning of downward slope		m	
	Distance from river bank			
	Soil type in footing			

	Adopted safe bearing capacity		
	Type of foundation		
	Depth of foundation		
	Soil test report available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Note: Soil test is advisable for all professional engineered structures. In case, soil test is not carried out, the designer should take responsibility for assumed data concerning site consideration.			
<b>2.10 NBC 109: 1994 Masonry: Unreinforced</b>			
	Concrete Grade		
	Brick crushing strength		
	Mortar ratio for load bearing masonry		
	<u>Floor</u> Ground floor First floor Second floor .....	<u>Wall height</u>	<u>Wall thickness</u> <u>Maximum Length</u>
	<u>Opening details:</u>		
	Least distance from inside corner		
	Does the total length of opening in any Wall exceed 50% of its length	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Does the horizontal distance between any Two opening less than 600 mm or ½ of Height of shorter opening	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Does the Vertical distance between two Opening less than 600 mm or ½ of width Of smaller opening	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	If any of above mentioned cases do not Comply, do you have provision for Strengthening around opening?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

	Bands provided:	<input type="checkbox"/> Plinth level <input type="checkbox"/> Lintel level <input type="checkbox"/> Roof level <input type="checkbox"/> Gable band	
	Vertical steel reinforcement diameters at corner/tee joints:		

	Ground floor: First floor: Second floor				
	C/C distance of corner/tee strengthening Horizontal dower bars				
<b>2.11 NBC 110: 1994 Plain and Reinforced Concrete</b>					
	Concrete grade				
	Reinforcement Steel Grade				
	Critical size of slab panel				
	Calculated short span to effective depth				
	Ratio (L/d) for corresponding slab				
	Permissible L/d ratio				
	Effective depth				
	Basic value of L/d				
	Span correction factor				
	Tension reinforcement ( $A_{st}$ ) Percent				
	$A_{st}$ modification factor				
	Compression reinforcement modification factor				
	<b>Beam Characteristics</b>	<b>Condition of beams</b>			
		Canti- Lever	Simply Supported	One side Continuous	Both side Continuous
	Maximum span/depth ratio				
	Span of corresponding beam				
	Depth of corresponding beam				
	Width of corresponding beam				
	Maximum slenderness ratio of column  Lateral dimension of corresponding column				

	Design Philosophy:	<input type="checkbox"/> Limit State method <input type="checkbox"/> Working Strees method <input type="checkbox"/> Ultimate strength method			
	<u>Load Combinations:</u>				
	Working Stress method	1:			
		2:			
		3:			
		4:			
	Limit State method	1:			
		2:			
		3:			
		4:			
<b>2.12 NBC: 111-1994 Steel</b>					
	Design assumption:	<input type="checkbox"/> Simple connection <input type="checkbox"/> Semi-rigid connection <input type="checkbox"/> Fully rigid connection			
	Yield Stress:				
	Least wall thickness				
	Expose condition	Pipe	Webs of Standard size	Composed section	
	For Exposed Section				
	For not exposed Section				
	Have you used Truss?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	What is the critical span of purlin				
	Purlin size				
	Have you used steel post?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Slenderness ratio of the critical post				
<b>2.13 NBC: 112 Timber</b>					
	Name of structural wood:				
	Modulus of Elasticity:				
	Critical span of the beam element				
	Designed deflection				

	Slenderness ratio of the critical post		
	Joint type:		
<b>2.14 NBC: 113: 1994 Aluminium</b>			
	Have you used aluminium as structure member?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	If yes, please mention the name of design code.		
<b>2.15 NBC: 114 1994 Construction safety</b>			
	Are you sure that all safety measures will be fulfilled in the construction site as per this code?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Safety wares use	<input type="checkbox"/> Safety hard hat <input type="checkbox"/> safety goggles <input type="checkbox"/> Safety boots <input type="checkbox"/> Safety belt <input type="checkbox"/> First aid facility	

**Affidavit**

I / We hereby certify that the proposed design of building and its various components comply all the requirements of prevailing National Building Code of Nepal. I/We also affirm that the submitted design is done by the concerned Engineers and Architects duly registered in Nepal Engineering Council. The data made available in this form are equally valid for all buildings apart from the main building.

Name: NEC No: Post: Name of Consulting Firm: Address: Date:	Seal:
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## Technical Detail Form No. 2

# “ग” बर्गको भवनको लागि

### Structural Design Requirements

(To be filled by concerned Engineer or Consultant)

S.N.	Description	As per submitted design	Remarks
<b>1. General:</b>			
	Number of Storey		
	Total height of structure		
	Structure system	<input type="checkbox"/> Frame <input type="checkbox"/> Load bearing <input type="checkbox"/> Other	
	a) Provision for future extension	Yes      No	
	b) If Yes - How many floors will be extended ?	..... Floors	
	c) Structural Design consideration for future extension	Yes      No	
	In what manner/ way have you used		
<b>2.3 NBC 102-1994 Unit Weight of Materials</b>			
	Specify the design unit weight of materials Steel Brick RCC Brick Masonry		
Note:* If any materials other than specified in NBC 102-1994, the designer should take responsibility that such materials are according to international standard.			
<b>2.9 NBC 108: 1994 Site Consideration for Seismic Hazards</b>			
	Distance from toe/beginning of downward slope		m
	Distance from river bank		
	Soil type in footing		
	Adopted safe bearing capacity		

	Type of foundation		
	Depth of foundation		
	Soil test report available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Note: Soil test is advisable for all professional engineered structures. In case, soil test is not carried out, the designer should take responsibility for assumed data concerning site consideration.			
<b>2.10 NBC 109: 1994 Masonry: Unreinforced</b>			
	Concrete Grade		
	Brick crushing strength		
	Mortar ratio for load bearing masonry		
	<u>Floor</u> Ground floor First floor Second floor .....	<u>Wall height</u>	<u>Wall thickness</u> <u>Maximum Length</u>
	<u>Opening details:</u>		
	Least distance from inside corner		
	Does the total length of opening in any Wall exceed 50% of its length	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Does the horizontal distance between any Two opening less than 600 mm or 1/2 of Height of shorter opening	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Does the Vertical distance between two Opening less than 600 mm or 1/2 of width Of smaller opening	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	If any of above mentioned cases do not Comply, do you have provision for Strengthening around opening?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	Bands provided:	<input type="checkbox"/> Plinth level <input type="checkbox"/> Lintel level <input type="checkbox"/> Roof level <input type="checkbox"/> Gable band	
	Vertical steel reinforcement diameters at corner/tee joints:  Ground floor:  First floor:		

	Second floor				
	C/C distance of corner/tee strengthening Horizontal dower bars				
<b>2.11 NBC 110: 1994 Plain and Reinforced Concrete</b>					
	Concrete grade				
	Reinforcement Steel Grade				
	Critical size of slab panel				
	<b>Beam Characteristics</b>		Condition of beams		
		Canti- Lever	Simply Supported	One side Continuous	Both side Continuous
	Maximum span/depth ratio				
	Span of corresponding beam				
	Depth of corresponding beam				
	Width of corresponding beam				
<b>2.15 NBC: 114 1994 Construction safety</b>					
	Are you sure that all safety measures will be fulfilled in the construction site as per this code?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
	Safety wares use		<input type="checkbox"/> Safety hard hat <input type="checkbox"/> safety goggles <input type="checkbox"/> Safety boots <input type="checkbox"/> Safety belt <input type="checkbox"/> First aid facility		

**Affidavit**

I / We hereby certify that the proposed design of building and its various components comply all the requirements of prevailing National Building Code of Nepal.

Name: Post: Name of Consulting Firm: Address: Date:	Seal:
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अनुसूची २  
(नियम ५ सँग सम्बन्धित)

भवन संहिताको प्रतिलिपि दस्तुर

१. भवन संहिता हार्डकपी प्रतिसेट सातसय रुपियाँ ।
२. भवन संहिता डिजिटल कपी प्रति सि.डी.एकसय पचास रुपियाँ ।

आज्ञाले,

(दीप बस्न्यात)

नेपाल सरकारको सचिव

मिति:- २०६६/८/२५