भवन नियमावली,२०६६

नेपाल राजपत्रमा प्रकाशन मिति

२०६६।८।२५

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

१. **संक्षिप्त नाम र प्रारम्भः** (१) यी नियमहरुको नाम "भवन नियमावली, २०६६" रहेको छ ।

(२) यो नियमावली तुरुन्त प्रारम्भ हुनेछ ।

२. **परिभाषाः** विषय वा प्रसङ्गले अर्को अर्थ नलागेमा यस नियमावलीमा,–

(क) "ऐन" भन्नाले भवन ऐन,२०५५ सम्झनु पर्छ ।

(ख) "गाउँ विकास समिति" भन्नाले भवन ऐन, २०५५ लागू भएको गाउँ विकास समिति सम्झनु पर्छ ।

३. **भवन निर्माण गर्नु अघि स्वीकृति लिनु पर्नेः** (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 योग्यताः** नेपाल सरकारले ऐनको दफा ३ को उपदफा (२) को खण्ड (ज) बमोजिम समितिको सदस्य मनोनयन गर्दा देहायको योग्यता भएका व्यक्तिहरुमध्येबाट गर्नेछः–

(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 दस्तुरः** भवन संहिताको प्रतिलिपि प्राप्त गर्न चाहने व्यक्तिले अनुसुची–२ बमोजिमको दस्तुर बुझाई शहरी विकास कार्यालयबाट प्राप्त गर्न सक्नेछ ।

६. **अनुसुचीमा हेरफेर तथा थपघट गर्न सक्नेः** नेपाल सरकारले नेपाल राजपत्रमा सूचना प्रकाशन गरी अनुसूचीमा आवश्यक हेरफर तथा थपघट गर्न सक्नेछ ।

अनुसूची १

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

दरखास्त फाराम

श्री.....कार्यालय

..... ।

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

भवन निर्माण स्थलः–

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

निवेदकको नामः–

ठेगानाः–

फोन नं.–

निवेदकको दस्तखतः–

मितिः–

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

(क) "क" बर्ग

(ख) "ख" बर्ग

(ग) "ग" बर्ग

संलग्न कागजातहरुः–

१) आर्किटेक्चरल नक्सा थानः–

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 थानः-

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 थानः– "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 थानः- "क" बर्ग र "ख" बर्गको लागि मात्र

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

५) कित्ता नापी नक्साः–

६) ऐनको दफा १० र ११ को उपदफा (३) को प्रयोजनका लागि भवन निर्माणमा संलग्न प्राविधिक/ परामर्शदाताको करारनामाः–

७) प्राविधिक विवरण फारामहरुः–

(क) आर्किटेक्चरल डिजाइन सम्बन्धीः–

(ख) स्ट्रक्चरल डिजाइन सम्बन्धीः–

(ग) स्यानिटरी डिजाइन सम्बन्धी "क" बर्ग र "ख" बर्गको लागि मात्रः–

(घ) ईलेक्ट्रीकल डिजाइन सम्बन्धी "क" बर्ग र "ख" बर्गको लागि मात्रः–

<u>नोटः</u>

(१) स्केलको हकमा सबै नक्साहरु १:१०० वा १"=८' हुनु पर्ने र डिटेलहरु 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 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 भबनको 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
1.0 Staircase		
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	
2.0 Exit		
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	
3.0 Light and Ventilation		
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 habitable room from external wall	……sq.m.	
3.3 Min. size of ventilator for water closets and bathroom	……sq.m.	

4.0 Lifts		
4.1 Total height of building	…..mm	
4.2 Provision of lift.	Yes/No	
4.3 No. of lift per bank	…….nos.	
5.0 Requirement for the physically disabled		
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	
6.0 Parapet heights		
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
Underground Water Tank.				
1. Type of building				
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.		
2. Overhead water tank for Lavatory				
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**
2.1 Fire Hydrant System. Hospital/ Auditorium (Indoor)				
2.2) No of floors	….Nos. of floor	….Nos. of wet risers		
2.3) Floor area	M^2	…. Nos. of wet risers		
2.4) Capacity of wet riser for underground water tank	-	……Litres.		
2.2 Type of buildings				

Office building **Gents Toilet:** Nos of users--…….					
a)	Water closet	-	……Nos.		
b)	Urinal	-	…..Nos.		
c)	Basin	-	……Nos.		
Ladies Toilet:- Nos of users--……					
a)	Water closet	-	……..Nos.		
Auditorium					
Public toilet (Gents Toilet): Nos of users--…….					
a)	Water closet	-	…..Nos.		
b)	Urinal	-	…..Nos.		
c)	Basin	-	……Nos.		
Ladies Toilet:-- Nos of users--….					
a)	Water closet	-	……Nos.		
Staff toilet (Ladies/Gents Toilet): Nos. of users--……					
a)	Water closet	-	…..Nos.		
Hospital indoor patient ward (For Ladies and Gents Toilet):-- Nos. of users--……..					
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
1. Rating and sizes		
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 (3 pin) 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	
2. Maximum number of cables in a conduit		
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	

3. Earthing		
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 mejgering	
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/ a 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
1. General:			
	Number of Storey		
	Total height of structure		
	Structure system	☐ Frame ☐ Load bearing ☐ Other	
	If Computer Aided Design (CAD) is used, please state the name of the package		
2. Requirements of NEPAL NATIONAL BUILDING CODE (NBC)			
2.1 NBC-000-1994 Requirements for State-of-the Art Design: An Introduction			
	Level of design:	☐ International State-of-the-art ☐ Professionally Engineered Structures ☐ Mandatory Rule of thumb ☐ Guidelines to rural building	
2.2 NBC 101: 1994 Materials Specifications			
	Tick the listed materials that will be used in the construction	☐ Cement ☐ Coarse Aggregates ☐Fine Aggregates (Sand) ☐Building Lime ☐Natural building stones ☐ Bricks ☐ Tiles ☐ Timber ☐Metal frames ☐ Structural steel…..*	
	In what manner/ way have you used		
2.3 NBC 102-1994 Unit Weight of Materials			
	Where do you plan to apply NBC 102 ? Specify the design unit weight of materials Steel Brick RCC Brick Masonry	☐ Specifications ☐ Design Calculation ☐ Bill of Quantity	
Note:* If any materials other than specified in NBC 102-1994, the designer should take responsibility that such materials are according to international standard.			

2.4 NBC 103-1994 Occupancy load (Imposed Load)				
	Proposed occupancy type (fill in only concerning occupancy type)	Occupancy load		
		Uniformly Distributed load (kN/m2)	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			
	…….			
	For Business and Office Buildings			
	Rooms with separate storage			
	Rooms without separate storage			
	File rooms and storage rooms			
	Stair and passage			
	Balconies			
	…….			
	Mercantile Buildings			
	Retail shops			
	Wholesale shops			
	Office			
	Staircase and passage			
	Balconies			
	…….			
	Industrial Buildings			
	Work area without machinery			
	With machinery: Light duty			
	Medium duty			
	Heavy duty			
	Boiler			
	Staircase, Passage			
	Storage buildings			
	Storage rooms			
	Cold storage			
	Corridor and Passage			
	Boiler rooms			
2.5 NBC 104-1994 Wind load				
	Wind zone			

	Basic wind velocity	m/s	
2.6 NBC 105-1994 Seismic Design of Buildings in Nepal			
	Method of earthquake analysis:	☐ Seismic Coefficient method ☐ Model Response Spectrum method ☐ ……	
	Subsoil category		
	Fundamental transactions period		
	Basic seismic coefficient		
	Seismic zoning factor		
	Importance factor		
	Structural performance factor		
2.7 NBC 106: 1994 Snow load			
	Snowfall area	☐ Perennial ☐ Occasional ☐ No snowfall	
	Elevation		
	Design Depth		
	Design Density		
2.8 NBC 107: 1994 Provisional Recommendation on Fire Safety			
	Where do you plan to apply the fire safety requirements specified in NBC 107 and NBC 206-1994?	☐ Specifications ☐ Design Calculation ☐ Bill of quantity	
2.9 NBC 108: 1994 Site Consideration for Seismic Hazards			
	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?	☐ Yes ☐ 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.			
2.10 NBC 109: 1994 Masonry: Unreinforced			

	Concrete Grade				
	Brick crushing strength				
	Mortar ratio for load bearing masonry				
	Floor Ground floor First floor Second floor ……	Wall height	Wall thickness	Maximum Length	
	Opening details:				
	Least distance from inside corner				
	Does the total length of opening in any				
	Wall exceed 50% of its length	☐ Yes	☐ No		
	Does the horizontal distance between any	☐ Yes	☐ No		
	Two opening less than 600 mm or ½ of				
	Height of shorter opening				
	Does the Vertical distance between two	☐ Yes	☐ No		
	Opening less than 600 mm or ½ of width				
	Of smaller opening				
	If any of above mentioned cases do not	☐ Yes	☐ No		
	Comply, do you have provision for				
	Strengthening around opening?				

	Bands provided:	☐ Plinth level ☐ Lintel level ☐ Roof level ☐ 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		
2.11 NBC 110: 1994 Plain and Reinforced Concrete			
	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		
	Beam Characteristics	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		
	Maximum slenderness ratio of column Lateral dimension of corresponding column		
	Design Philosophy:	☐ Limit State method ☐ Working Strees method ☐ Ultimate strength method	
	<u>Load Combinations:</u> Working Stress method 1: 2: 3: 4: Limit State method 1: 2:		

	3: 4:				
2.12 NBC: 111-1994 Steel					
	Design assumption:	☐ Simple connection ☐ Semi-rigid connection ☐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?	☐ Yes	☐ No		
	What is the critical span of purlin				
	Purlin size				
	Have you used steel post?	☐ Yes	☐No		
	Slenderness ratio of the critical post				
2.13 NBC: 112 Timber					
	Name of structural wood:				
	Modulus of Elasticity:				
	Critical span of the beam element				
	Designed deflection				
	Slenderness ratio of the critical post				
	Joint type:				
2.14 NBC: 113: 1994 Aluminium					
	Have you used aluminium as structure member?	☐ Yes ☐ No			
	If yes, please mention the name of design code.				
2.15 NBC: 114 1994 Construction safety					
	Are you sure that all safety measures will be fulfilled in the construction site as per this code?	☐ Yes ☐ No			
	Safety wares use	☐ Safety hard hat			

		☐ safety goggles ☐Safety boots ☐ Safety belt ☐ 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:

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
1. General:			
	Number of Storey		
	Total height of structure		
	Structure system	☐ Frame ☐ Load bearing ☐ Other	
	a) Provision for future extension b) If Yes - How many floors will be extended? c) Structural Design consideration for future extension	Yes No ..... Floors Yes No	
	In what manner/ way have you used		
2.3 NBC 102-1994 Unit Weight of Materials			
	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.			
2.9 NBC 108: 1994 Site Consideration for Seismic Hazards			
	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?	☐ Yes ☐ 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.					
2.10 NBC 109: 1994 Masonry: Unreinforced					
	Concrete Grade				
	Brick crushing strength				
	Mortar ratio for load bearing masonry				
	Floor Ground floor First floor Second floor ……	Wall height	Wall thickness	Maximum Length	
	Opening details:				
	Least distance from inside corner				
	Does the total length of opening in any				
	Wall exceed 50% of its length	☐ Yes ☐ No			
	Does the horizontal distance between any	☐ Yes ☐ No			
	Two opening less than 600 mm or ½ of				
	Height of shorter opening				
	Does the Vertical distance between two	☐ Yes ☐ No			
	Opening less than 600 mm or ½ of width				
	Of smaller opening				
	If any of above mentioned cases do not	☐ Yes ☐ No			
	Comply, do you have provision for				
	Strengthening around opening?				
	Bands provided:	☐ Plinth level ☐ Lintel level ☐ Roof level ☐ 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					
2.11 NBC 110: 1994 Plain and Reinforced Concrete						
	Concrete grade					
	Reinforcement Steel Grade					
	Critical size of slab panel					
	Beam Characteristics	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					
2.15 NBC: 114 1994 Construction safety						
	Are you sure that all safety measures will be fulfilled in the construction site as per this code?	☐ Yes ☐ No				
	Safety wares use	☐ Safety hard hat ☐ safety goggles ☐ Safety boots ☐ Safety belt ☐ 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:

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 ।