नेपाल सरकार

शहरी विकास मन्त्रालय

शहरी विकास तथा भवन निर्माण विभाग

बबरमहल, काठमाडौं

संयुक्त आवास भवन निर्माण र संचालनको स्वीकृतिको लागि दरखास्त फाराम

दर्ता नं.

दर्ता गर्नेको सहीः

मितिः

अनूसुची — १
(नियम ३ संग सम्बन्धित)

संयुक्त आवास भवन निर्माण गरी सञ्चालन गर्नका लागि दिइने निवेदन

श्रीमान कार्यालय प्रमूखज्यु,
शहरी विकास तथा भवन निर्माण विभाग,
.....कार्यालय,
..... ।

मैले संयुक्त आवास भवन निर्माण गरी सञ्चालन गर्न चाहेकोले देहायका विवरण खुलाई स्वीकृतिको लागि यो निवेदन गरेको छु ।

१. संगठित संस्थाको
   क) नाम:
   ख) दर्ता नम्बर:
   ग) नवीकरण मिति:
२. जग्गा धनीको
   क) नामः
   ख) नागरिकताको प्रमाणपत्र नम्बरः
   ग) ठेगानाः
३. जग्गा रहेको ठाउँ
   क) जिल्लाः
   ख) महानगरपालिका/नगरपालिका/गाउँपालिका
   ग) वडा नं.
   घ) टोल
४. जग्गाको
   क) कित्ता नं.
   ख) क्षेत्रफलः.....रोपनी .....आना..... पैसा..... दाम .....
   ग) चार किल्लाः
   घ) स्वामित्वः निजी/साझेदारी
   ङ) किसिमः रैकर/गुठी/अन्य
५) संयुक्त आवास भवनको
   क) तलाः
   ख) हरेक तलाको आवास एकाईः
   ग) जम्मा आवास एकाईः
६. संयुक्त आवास भवनको प्रयोजनः
७. निर्माणको किसिमः नयाँ निर्माण/तला थप्ने/पुनःनिर्माण/अन्य

निवेदन साथ पेश गर्नुपर्ने कागजातहरू

निवेदन दिंदा निवेदन फाराम सहित तपसीलमा उल्लेखित कागजातहरु १ (एक) सेट बनाई उपलब्ध गराउनू पर्नेछ ।

सि.नं.	विवरण	कैफियत
१	संयूक्त आवास भवन निर्माण सम्बन्धी साइट प्लान, लोकेशन प्लान र प्रस्तावित नक्सा (भौतिक पूर्वाधारहरु खासगरी बाटो, ढल, खूल्ला क्षेत्र आदिको लम्बाइ, चौडाई, क्षेत्रफल, स्थान र स्तर तथा योजनाका घडेरी संख्या, मोहडा, गहिराइ र क्षेत्रफल खूलेको नक्सा)	
२	संयुक्त आवास भवनको डिजाइनको अवधारणा, नेपाल इन्जिनियरिङ परिषद दर्ता भएको आकिटेक्ट र सिभिल इन्जिनियरबाट प्रमाणित भएको संयूक्त आवास भवनको प्रस्तावित नक्सा तथा प्रचलित कानुन बमोजिम निर्धारण गरिएको मापदण्डको अधीनमा रही भवन संहिता (Building Code) सम्बन्धी फारामहरु र सो मा उल्लेख गरिएको आर्किटेक्चरल डिजाइन, स्ट्रक्चरल डिजाइन, स्यानेटरी, इलेक्ट्रिकल, HVAC लगायतका डिजाइन ड्रइङ (Soft Copy सहित)।	
३	वातावरणीय परिक्षण प्रतिवेदन (BES/IEE/EIA) (प्रतिवेदनमा ढल निकास र फोहोर मैला, आवत जावत गर्ने बाटो तथा ट्राफिकमा पर्ने असर, पानी, विजुली, टेलिफोनको सुविधा, सामाजिक, आर्थिक, सांस्कृतिक, धार्मिक र ऐतिहासिक महत्वका सम्पदा र त्यसमा पर्ने असर, जैविक विविधता सम्बन्धी विषयहरु स्पष्ट उल्लेख भएको हुनु पर्नेछ)	
४	जग्गाको क्षेत्रफल र स्वामीत्वको विवरण (व्यक्ति भए नेपाली नागरिकताको प्रमाणपत्र, कम्पनी भए कम्पनी दर्ता प्रमाणपत्र PAN/VAT दर्ता प्रमाण पत्र, जग्गाको धनीको प्रमाणपुर्जा, हालसालै तिरेको रसिद)	
५	आवास इकाई विक्री वितरण प्रक्रियाको विवरण	
६	भवन संचालन योजना तथा व्यवस्थापन प्रक्रियाको विवरण	
७	संस्थापक र संयूक्त आवास इकाई धनीहरु बीच गरिने सम्झौता पत्रको नमूना -Draft Contract Document	
८	भौतिक सूविधाहरुको पर्याप्तता सम्बन्धी विवरणः	
क)	खानेपानीको स्रोत, परिमाण र वितरण प्रणाली	
ख)	विद्यूत आपूर्तिको स्रोत र वितरण प्रणाली	
ग)	वर्षात्को पानीको निकास प्रणाली (Storm Water Drainage System)	
घ)	ढलको व्यवस्था र सो को प्रशोधन तथा निकास प्रणाली (Sewerage System & Treatment Methods)	
ङ)	प्रवेश मार्ग (Access Road) र आन्तरिक सडक प्रणाली (Road Network)	
च)	टेलिफोन प्रणाली	
छ)	फोहोरमैला संकलन र प्रशोधन प्रणाली	
ज)	सामूहिक क्षेत्र तथा सूविधा (खेलमैदान, पार्क, खूल्ला क्षेत्र आदि)	
झ)	आकस्मिक विपत्तीबाट बच्न सूरक्षाका उपायहरु (Fire Escapes, Fire hydrant)	
ञ)	सूरक्षा गार्डको व्यवस्था (Security System)	
९	प्रस्तावित योजनाको प्रारुप नक्सा र प्रस्तावित योजनाको नक्सालाई योजना क्षेत्र सिमाङ्कित कित्तानापी नक्सामा उत्तार गरेको नक्सा	
१०	प्रस्तावित योजना क्षेत्रको पहूच मार्गको लम्बाई, चौडाई र कून साविक बाटोबाट शूरु हूने हो सो समेत खूलेको १:५०० वा १:१००० वा १:१००० स्केलको टोपो र कित्तानापी नक्साहरु	
११	योजना क्षेत्र सिमाङ्कित कित्ता नापी नक्सा (कित्ता नम्बरहरु प्रष्ट बुझने हूनू पर्ने)	
१२	प्रस्तावित योजना क्षेत्रको ढल निकास योजना क्षेत्र बाहिर कहाँ गएर जोडिने हो स्पष्ट भएको नक्सा अनिवार्य रुपमा पेश हूनू पर्ने छ । त्यस्तै उक्त नक्सामा खानेपानी र विद्यूत् लाइन कहाँबाट कसरी लैजान लागेको हो सो समेत खूलाउन वान्छनीय हुनेछ ।	
१३	प्रस्तावित योजना तर्जूमा गर्ने डेभलपर्स, कन्सल्टेन्सी फर्म वा प्राविधिकले प्रचलित मापदण्ड (नर्म्स र कानुन अनूसार छ भनि दस्तखत गरेको प्रस्तावित योजना विवरण ।	

१४	संयुक्त आवास वा योजनावद्ध आवासहरुमा निर्माण सम्बन्धी गुणस्तर मापदण्ड अनूरुप र भवन संहिता अनूसार हूने प्रतिवद्धता नेपाल इन्जिनियरिङ परिषदबाट मान्यता प्राप्त प्राविधिकबाट प्रमाणित गरिएको हूनू पर्ने छ ।	
१५	नापी कार्यालयबाट प्रत्येक कित्ता टायल चेक गरी क्षेत्रफल यकिन गरेको पत्र र ट्रेस नक्सा स्रलग्न हुनु पर्ने छ ।	
१६	संयुक्त आवास भवन निर्माण गर्ने चरणबद्ध कार्यक्रम (Construction Schedule) सहितको विवरण ।	

नेपाल सरकार
शहरी विकास मन्त्रालय
शहरी विकास तथा भवन निर्माण विभाग

संघीय शहरी विकास तथा भवन निर्माण कार्यालय,
बबरमहल, काठमाडौं

भवन निर्माण मापदण्ड र संहिता अनुसार नक्शा/डिजाईन स्विकृतीको लागि दरखास्त फाराम

श्रीमान् कार्यायल प्रमुखज्यू,
संघीय शहरी विकास तथा भवन निर्माण कार्यालय,
बबरमहल, काठमाडौं

विषय : भवन निर्माण मापदण्ड र संहिता अनुसार नक्शा/डिजाईन पेश गरेको बारे ।

.....महानगरपालिका/नगरपालिका/गाउँपालिका स्थान..... वडा नं. .....मा अवस्थित कित्ता नं..... क्षेत्रफल..... मा नयाँ घर निर्माण गर्न प्रस्ताव गरिएको संरचना भुकम्प सुरक्षात्मक बनाउन आवश्यक नक्शा, डिजाईन, प्राविधिक चेक लिष्ट र अन्य आवश्यक कागजात सहित यो निवेदन पेश गरेको छु । प्राविधिकले तथा निर्माणबाट भूकम्पीय वा साधारण सुरक्षाको कमीले हुन सक्ने सम्पूर्ण जोखिम प्रति म/हामी जिम्मेवार छु/छौं । संलग्न डिजाईन तथा सुपरिवेक्षकबाट डिजाईन तथा सुपरिवेक्षण गराउने छु । यस कार्यालयबाट समय समयमा दिईने निर्देशन पालना गर्नेछु तथा आवश्यक परेको बेला त्यस कार्यालयमा उपस्थित हुनेछु ।

घरधनीको नाम : .....

ठेगाना :.....

फोन नं. :.....

सही :.....

मिति :.....

दायाँ	बायाँ

नेपाल सरकार
शहरी विकास मन्त्रालय
शहरी विकास तथा भवन निर्माण विभाग
संघीय शहरी विकास तथा भवन निर्माण कार्यालय,
बबरमहल, काठमाडौं

श्रीमान् कार्यायल प्रमुखज्यू,
.....,
.....

<u>विषय : नेपाल राष्ट्रिय भवन निर्माण संहिता अनुसार भवन र संरचना डिजाइन गरीएको सम्वन्धमा ।</u>

म/हामी यो प्रमाणित गर्दछु कि ..... महानगरपालिका/नगरपालिका/गाउँपालिकाको स्थान .....वडा नं..... मा अवस्थित नापी नक्शा सिट नं. .....कित्ता नं. .....क्षेत्रफल.....का घर/धनी श्री ..... द्वारा निर्माण गर्न प्रस्ताव गरीएको भवन संरचनाको स्ट्रक्चरल डिजाइन, स्ट्रक्चरल ड्रइङ र भवन संरचनाको अरू ड्रइङहरु मैले/हामीले गरेको हो। यसमा भवन ऐन, राष्ट्रिय भवन संहिता तथा अन्य ऐन नियमद्वारा प्रतिपादित समस्त नियम पालना गर्दै आवश्यक भुकम्प सुरक्षात्मक डिजाइन तथा प्रविधि अपनाइएको छ । स्ट्रक्चरल डिजाइन र भवन संरचनाको अरु ड्रइङहरु नेपालको राष्ट्रिय भवन संहिता अनुरूप नभएको पाइएमा म/हामी पूर्ण रूपमा जिम्मेवार हुनेछौं।

Designer	***Name***	***NEC NO.***	***Signature***
1. Architect:			
2. Structural Engineer:			
3. Sanitary Engineer:			
4. Electrical Engineer:			
5. Mechanical Engineer:			
6. Others (If any)			

परामर्शदात्री संस्थाको नामः—
सुपरीवेक्षण गर्ने संस्थाको नाम र ठेगानाः—
प्रोप्राईटरको नाम तथा हस्ताक्षरः—

सुपरीवेक्षण गर्ने संस्थाको छाप	परामर्शदात्री संस्थाको छाप

Declaration from the Developer:

I/we fully agree to undertake construction of the building as per the approved designs & drawings in full compliance to the technical details described above, building bye-laws of the municipality and building code. I shall be fully liable as per the prevailing laws in case the construction is found to be done in violation of the bye-laws, building code and encroaching public land.

साथै स्वीकृत Architectural/Structural/ Sanitary/Electrical/Fire Safety का नक्साहरु/डिजाईन अनुसार उल्लेखित परामर्शदात्रीको परामर्श तथा प्राविधिक सुपरीवेक्षण लिई भवन संहिता, संयुक्त आवासको स्वामित्व सम्बन्धि ऐन २०५४, संयुक्त आवासको स्वामित्व सम्बन्धी नियमावली २०६०, बमोजिम निर्दिष्ट गुणस्तर कायम राखी निर्माण कार्य गर्न,गराउनको लागि प्रतिवद्धता जाहेर गर्दछु/गर्दछौ ।

झुठ्ठा विवरण पेश गरेको ठहरिएमा र स्वीकृत नक्सा, डिजाईन, स्टयाण्डर्डस र स्पेसिफिकेशन बमोजिम निर्माण कार्य फरक पाईएमा प्रचलित कानून वमोजिम सजायको भागिदार हुन,व्यहोर्न मञ्जुर भएको ब्यहोरा समेत यसै प्रतिवद्धता पत्रद्धारा अनुरोध गर्दछु/गर्दछौ ।

संस्थापकको नामः—

ठेगानाः—

फोन नं. —

हस्ताक्षरः—

मितिः—

कम्प्नीको छाप

Declaration from the Designer:

I have prepared the designs and drawings after studying the applicable building bye-laws, building code & other prevailing laws. I shall be fully liable if the designs & drawings are found to be not compliant as per specified bye-laws, building codes & prevailing laws.

Designer	***Name***	***NEC NO.***	***Signature***
1. Architect:			
2. Structural Engineer:			
3. Sanitary Engineer:			
4. Electrical Engineer:			
5. Mechanical Engineer:			
6. Others (If any)			

परामर्शदात्री संस्थाको नामः—
सुपरीवेक्षण गर्ने संस्थाको नाम र ठेगानाः—
प्रोप्राईटरको नाम तथा हस्ताक्षरः—

कम्प्नीको छाप

To be filled by the Designer

S.N.	Title of the Detail	Description of the Details
1.	Details of Land Owner	• Name • Address • Citizenship no.
2.	Details of the Building Owner	• Name • Address • Citizenship no. • Name of Father/ Husband/ Wife
3.	Land Use Zone	
4.	Type of Construction	
5.	Plot no. of the Land Parcel in which the construction is proposed	
6.	Area of the land parcel as per the land ownership certificate (in sq. ft.)	
7.	Actual area of the land parcel as per the field measurement (in sq. ft.)	
8.	Plinth area of the proposed building (in sq. ft.)	
9.	Ground coverage of the proposed building (in percentage)	
10.	Details of floor areas of the new construction and existing building	

	Storey	Area of the proposed building (sq. ft./ sq. m)	Area of the existing building (sq. ft/ sq. m)	Total floor area (insq. ft/ sq. m)
i)	Basement			
ii)	Ground Floor			
iii)	First Floor			
iv)	Second Floor			
v)	Third Floor			
vi)	Fourth Floor			
vii)	Fifth Floor			
viii)	Sixth Floor			
	Total			

11.	Area covered by other constructions like compound wall, shade, etc	Compound wall:Shade:
12.	Ground coverage after the new construction including existing buildings and other new construction	In sq. ft.: In percentage:
13.	Permissible Ground Coverage	In sq. ft.: In percentage:
14.	Number of storeys in the proposed building	☐ basement ☐ ground floor ☐ first floor ☐ second floor ☐ third floor ☐ fourth floor ☐ fifth floor ☐ sixth floor ☐……
15.	Ceiling height of each storey in the proposed building	

Storey	Height	Unit in m/ft
Basement		
Ground		
First		
Second		
Third		

		Fourth			
		Fifth			
		Sixth			
16.	Total height of the building (in m/ ft):				
17.	Type of Structure	☐ Temporary ☐ Permanent ☐ Reinforced Concrete Framed ☐ Load Bearing (brick masonry) ☐ Load Bearing (stone masonry) ☐ Steel Framed ☐ Timber Framed ☐ others : ……			
18.	Type of Mortar used in masonry wall	☐ cement sand mortar ☐ mud mortar ☐ lime surkhi mortar ☐ other: ……			
19.	Type of Roofing Material	☐ RCC ☐ RBC ☐ Tile ☐ CGI Sheet ☐ Thatched Roof ☐ Others: ……			
20.	Right-of-way (ROW) of the roads abutting to the land parcel in metre/ feet	Frontside: Backside: Left side Right side:			

21.	Setback distance from the road to the proposed building (in m/ feet)						
	Side	distance from the centre line of the road		distance from the edge of the existing road		Distance from the edge of the ROW	
		actual	minimum as per bye-laws	actual	minimum as per bye-laws	actual	minimum as per bye-laws
	Front						
	Back						
	Left						
	Right						

22.	Distance between outer face/wall and boundary of the plot				
	Facade of the building	Road existing or not	Door/window opening existing or not	Minimum required distance between the outer face of the building and plot boundary	Existing distance between the outer face of the buildingand plot boundary
	North				
	South				
	East				
	West				

23.	Distance from the bank of the river/ canal/ public land to the face of the building (if applicable)	
	Permissible distance from the bank of the river/stream/canal/public land to the face of the building (in metre/feet)	
	Actual distance from the bank of the river/stream/canal/public land to the face of the building (in metre/feet)	

24.	Length of cantilever projection or chhajja beyond the face of the building (in m/ feet)				
		Front side	Back side	Left side	Right side
	Proposed				
	Permissible				
25.	Distance between the edge of the high tension line and the building (if applicable)				

BUILDING BY-LAWS

Building Elements	As Per Submitted Design	Remark
Building Data		
Nature of Construction	□ Detached □ Attached □ Semi Attached □ Row type House	
Land Use Zone	□ Residential zone □ Preserved zone □ Institutional zone □ Industrial zone □ Urban expansion zone □ Surface vehicle zone □ Airport zone □ Sports zone □ Cultural heritage zone □ Narayanhiti Palace Zone(NPZn)	
Land Use Sub-Zone	□ Preserved MonumentSub- Zone (PMZn) □ Preserved Cultural HeritageSub-Zone (PCMZn) □ Mixed Old ResidentialSub- Zone (MORZn) □ Green Open Sub-Zone(GOZn) □ Park and Jungle Zone(NPZn) □ Cultural, Archeological and Religious Sub- Zone(CULZn) □ Urban Expansion Zone(UEZn) □ Surface Vehicle Zone(SVZn) □ Air Zone (ARZn) □ Sport Zone (SPZn) □ Commercial Sub- Zone(CMZn) □ Dense Mixed Residential Zone(DMRZn) □ Other Residential Sub-Zone(ORSZn) □ Planned Residential Sub-Zone(PRSZn) □ Government and Semi government Sub-Zone (GSGZn) □ Health Service Sub-Zone(HSZn) □ Educational Sub- Zone(EDZN) □ Police and Army Sub-Zone (PAZn) □ Industrial Zone □ Narayanhiti Palace Zone(NPZn)	

Land Development Area (LDA)	☐ Golfutar ResidentialZone (GRZn) ☐ Kuleshwor ResidentialZone (KRZn) ☐ Other	
Name of the Other Land Development Area		
Narayanhiti Palace Zone (NPZn)	☐ 100 ft from boundarywall ☐ 100-200 ft fromboundary wall ☐ 200-300ft from boundary wall	
High Tension Line Classification (if any)	☐ 250/240 Volt- 11000 Volt ☐ 11000 Volt-33000 Volt	
High Tension Setback (m)		
River Name Classification (if any)	☐ Bagmati ☐ Balkhu ☐ Bishnumati ☐ Dhobikhola ☐ Hanumante ☐ Karakhushi ☐ Karmanasha ☐ Koiku ☐ Mahadev ☐ Manohara ☐ Nakkhu ☐ Rajkulo ☐ Saangel ☐ Samakhushi ☐ Tukucha	
River Bank Setback (m)		
Land Data		
Actual plot area (in Sq. m)		
Actual plot area (in Ropani)		
Adopted land area (Ropani)	☐ >=0-2-2-0 and <=1-0-0-0 ☐ >=1-0-0-0 ☐ <=1 anna ☐ >1 anna ☐ >=0-2-2-0 and <=0-8-0-0 ☐ >0-8-0-0	
Frontage of plot		
Floor area Ratio (FAR)		

Ground coverage (in Sq. m)		
Ground coverage (%)		
Number of Storey, starting from groundfloor excluding basement and semi-basement		
Building length (m)		
Building width (m)		
Building height (m)		
Road width (m)		
Cul de sac	☐ With Cul de sac ☐ Without Cul de sac	
Road Length, if cul de sac (m)		
ROW (m)		
Front Setback (m)		
Rear Setback (m)		
Side Left Setback (m)		
Side Right Setback (m)		
Ceiling Height (m)		
Parking Area (sq. m.)		
Drawing Requirement		
Drawing Scale	☐ 1:100 ☐ 1:200 ☐ 1:300 ☐ 1:400	

ARCHITECTURAL DESIGN

Building Elements	As Per Submitted Design	Remark
Building Purpose	☐ Apartment ☐ Residential ☐ Hospital ☐ Industrial ☐ Educational ☐ Cinema ☐ Auditorium above 500 ☐ Auditorium below 500 ☐ Public Assembly ☐ Commercial more thanfour storey ☐ Cold Storage and Wearhouse	
Staircase		
Min. Tread width of Staircase excludingnosing (in mm)		
Riser of Staircase (in mm)		
Clear width of Staircase (in mm)		
Height of Handrail (in mm)		
Max. no. of riser per flight (Nos)		
Max. head room under staircase from thenosing of the road (mm)		
Exit		
Max. travel distance to exit point in eachfloor (m)		
Min. width of exit door including frame(mm)		
Min. Height of exit door including frame(mm)		
Shutter opening of exit door to staircase &public passage	☐ Inward ☐ Outwards	
Total width of exit door (mm)		
Light & Ventilation		

Total Floor Area of Largest Habitableroom (sq. m)		
Min. opening area of window for lighting largest habitable room from external wall (sq. m)		
Min. opening area of natural ventilator for largest habitable room from external wall(sq. m)		
Min. size of ventilator for water closetsand bathroom (sq. m)		
Requirement for the physically disabled		
Is there a provision of separate entrance for disabled people next to the primaryentrance of a building?	☐ Yes ☐ No	
Max. gradient for wheel chair ramp atentrance of building		
Min. width of wheel chair ramp atentrance of building (in mm)		
Lifts		
Total habitable Height of the Building (in m)		
Provision of Lift	☐ Yes ☐ No	
No. of Lift per bank (Nos)		
Other		
Provision of fire escape and fire safety	☐ Yes ☐ No	
Parapet heights		
Height of parapet wall & balcony handrail(in mm)		

B. GENERAL CHECKLIST FOR NBC-206

	BUILDING ELEMENT	As per submitted Design	Remarks
1.	**CLASSIFICATION OF BUILDING**		
	Building Purpose		
	Subgroup		
2.	**MEANS OF EXIT**		

	Effective Occupant Load for exit calculation		
	Max. travel distance to exit point in each floor(m)		
	Min. width of exit door including frame (mm)		
	Min. height of the exit door including floor (mm)		
	No. of staircase and Ramps		
	Total Width of the Staircase/ Ramps(mm)		
	Tread of Staircase (in mm)		
	Riser of Staircase (in mm)		
	Max. no. of riser on one single flight (Nos)		
	Height of the Handrail (in mm)		
3	**COMPONENT OF BUILDING**		
3.1	Average Plinth height (mm)		
3.2	Room Height (m)		
3.3	Light & Ventilation		
	Min. ratio of opening area for natural light(O) to areaof habitable room (A) – (O/A)		
	Min. ratio of opening area for natural ventilation (O)to area of habitable room(A) – (O/A)		
3.4	Lifts		
	Presence of fire lift	☐ **Yes** ☐ **No**	
	Size of Lift car(m)		
3.5	Basements		
	Percentage of vent. in basement		
3.6	Parking		
	Parking area allocated for each car (L X B) (mm)		
	Gradient of ramp for vehicle use		
4.	**BUILDING CATEGORY BASED ON HEIGHT**		
	Height of parapet wall or balcony handrail(m)		
	Provision of fire escape and fire safety	☐ **Yes** ☐ **No**	
5.	**DISABLED ACCESSIBILITY CATEGORY**	None/1/2/3	
	No. of floors accessible to wheelchair bound people		
	Max. gradient of ramp		
	Min. width of ramp(m)		

STRUCTURAL DESIGN (Type B)

Building Elements	As Per Submitted Design	Remark
General		
Building Structure Type	☐ Frame Structure	
Number of storeys applied for permit (inNos.)		
Number of storeys considered in structuraldesign (in Nos.)		
If Computer Aided Design (CAD) is used,please State the name of the software package		
Number of storeys considered in thedesign provision for further extension	☐ Yes ☐ No	
Total height (h) of structure withextension(in m)		
NBC 101-1994 MATERIALS SPECIFICATIONS		
Materials to be used in structure(tick the listed materials that will be used in structure element)	☐ Structural Aluminium ☐ Brick Masonry ☐ Timber ☐ Structural Steel ☐ RCC (Reinforcement Bar) ☐ Stone Masonry ☐ ☐	
NBC 102-1994 Unit Weight of Materials		
Specify the design unit weight of materials:Steel (in kg/m^3)		
Specify the design unit weight of materials:RCC (in kg/m^3)		
Specify the design unit weight of materials:Brick Masonry (in kg/m^3)		
NBC 103-1994 Occupancy Load (Imposed Load)		
For Residential buildings		
Occupancy Load (Uniformly Distributed loadin kN/m^2) for Rooms and Kitchen		

Occupancy Load (Uniformly Distributed loadin kN/m^2) for Corridors, Staircase, Store		
Occupancy Load (Uniformly Distributed loadin kN/m^2) for Balcony		
NBC 104-1994 Wind load		
Wind Zone		
Basic wind speed (in m/s)		
NBC 105-1994 Seismic Design of Buildings inNepal		
Method adopted for earthquake resistantdesign	☐ Seismic Coefficient Approach ☐ Response Spectrum Method ☐ Others	
Adopted Code for Seismic Design	☐ NBC 105	
Subsoil category	☐ Type I (Hard) ☐ Type II (Medium) ☐ Type III (Soft)	
Seismic Weight (W) (in kN)		
Fundamental Time Period of the buildingalong X (T_X)(in Seconds)		
Fundamental Time Period of the buildingalong Y(T_Y)(in Seconds)		
Basic Seismic Coefficient Along X(C)		
Basic Seismic Coefficient Along Y(C)		
Seismic zoning factor (Z)		
Importance Factor (I)		
Structural Performance factor (K) (if NBC used)		
Design Horizontal Seismic Coefficient Along X(C_d)		

Design Horizontal Seismic Coefficient Along Y(Cd)		
Base Shear(V_B) for Seismic Coefficient AlongX		
Base Shear(V_B) for Seismic Coefficient AlongY		
Base Shear Generated through dynamic Analysis Along X (if response spectrummethod used)		
Base Shear Generated through dynamic Analysis Along Y (if response spectrum method used)		
Adopted Base Shear multiplication Factor Along X(if response spectrum method used)		
Adopted Base Shear multiplication Factor Along Y(if response spectrum method used)		
Base Shear after Scale Factor Along X		
Base Shear after Scale Factor Along Y		
Maximum Inter-storey Drift		
Corresponding Storey height for MaximumInter- Storey Drift (h)		
NBC 106-1994 Snow Load		
Snowfall type or condition	☐ Perennial ☐ Occasional ☐ No snowfall	
Elevation of construction site (in m)		
Design Depth of snow (in cm)		
Design Density of snow (in g/cm^3)		
NBC 107-1994 Provisional Recommendation onFire Safety		
Have you considered fire safety requirement?	☐ Yes ☐ No	

NBC 108-1994 Site Consideration for SeismicHazards		
Whether Distance of construction site from toe/beginning of downward slope is within 50m?	☐ Yes ☐ No	
Whether Distance of construction site fromriver bank is within 50m?	☐ Yes ☐ No	
Availability of soil test report	☐ Yes ☐ No	
NBC 114-1994 Construction Safety		
Are you sure that all safety measures will be fulfilled in the construction site as perthis code?	☐ Yes ☐ No	
Safety wares used	☐ Safety hard hat ☐ Safety goggles ☐ Safety boots ☐ Safety belts ☐ First aid facility	
Structural Data for Framed RCC Structure		
NBC 110-1994 Plain and Reinforced Concrete		
Concrete grade in structure	☐ M20 ☐ M25 ☐ M30 ☐ M35	
Reinforcement Steel Grade	☐ **Fe-415** ☐ **Fe-500** ☐ **Fe-550**	
Slab design		
Boundary condition of slab	☐ 4 side continuous ☐ 1 short side discontinuous ☐ 1 long side discontinuous ☐ 2 adjacent sidecontinuous ☐ 2 long sidecontinuous ☐ 2 short sidecontinuous ☐ 1 long sidecontinuous ☐ 1 short sidecontinuous ☐ 4 side discontinuous	
Effective Thickness of slab (d) (in mm)		

Short span of Critical slab panel (L) (in mm)		
Calculated short span to effective depthratio (L/d) for the corresponding slab		
Basic (L/d) ratio		
Required modification factor for tension reinforcement		
Required Tension reinforcement(A_{st}) Percentage(%) for short span bottom reinforcement		
Provided Tension reinforcement(A_{st}) Percentage (%) for short span bottomreinforcement		
Actual Modification factor for tension reinforcement		
Check for Critical beam		
Effective depth of beam (d) (in mm)		
Critical span (L) (in mm)		
Support condition	Cantilever Simply supported One side continuous Both side continuous	
Basic (L/d) ratio		
Calculated critical span to effective depthratio (L/d) for corresponding slab		
Check for Critical Column		
Critical column height		
Minimum size of column (mm x mm)		

Short column effect considered or not	☐ Yes ☐ No	
Minimum area of longitudinal reinforcement provided (%)		
Design Philosophy	Limit state method	
Load Combinations		
1: DL		
1: LL		
1: EQ		
2: DL		
2: LL		
2: EQ		
3: DL		
3: LL		
3: EQ		
4: DL		
4: LL		
4: EQ		
Whether sample design calculations of foundations, columns, beams and slabsaresubmitted	☐ Yes ☐ No	
Type of Foundations	☐ Isolated ☐ Combined ☐ Raft ☐ PILE ☐ Strap	

Depth of foundation from ground level tothe bottom of footing (in m)		
Structural Data for Other types of structures		
NBC 111-1994 Steel		
Design assumptions	Simple connection Semi-rigid connection Fully rigid connection	
Yield Stress		
Least wall thickness in mm for followingExposure conditions		
For Exposed Section – Pipe		
For not Exposed Section - Pipe		
For Exposed Section - Webs of Standard size		
For not Exposed Section - Webs of Standardsize		
For Exposed Section - Composed section		
For not Exposed Section - Composed section		
Have you used Truss?		
Critical span of purlin		
Purlin size		
NBC 112 Timber		
Name of structural wood	Sal Sisau Khotesalla Gobresalla	
Modulus of Elasticity		
Critical span of the beam element		

Designed Deflection		
Permissible deflection		
NBC 113-1994 Aluminium		
Please mention the name of design code.		

ELECTRICAL DESIGN

Building Elements	As Per Submitted Design	Remark
Rates and sizes		
Min. size of copper cable for light circuit (sq.m)		
Min. size of copper cable for power circuit (sq.m)		
Wattage of ordinary power socket (2pin) estimated as (watt)		
Wattage of power socket outlet (3pin) estimated as (watt)		
Wall thickness of cast iron switch or regulators boxes for upto (mm)		
Wall thickness of mild steel sheet switch or regulators boxes for upto 20cmX30cm (mm)		
Wall thickness of mild steel sheet switch or regulators boxes for above 20cmX30cm (mm)		
Depth Of the switch or regulator boxes (mm)		
Max. nos. of cables in a Conduit		
No. of 2.5 sq.mm cross-sectional area cable in 20mm dia conduit (Nos. of cables)		
No. of 4 sq.mm cross-sectional area cable in 20mm dia conduit (Nos. of cables)		
No. of 6 sq.mm cross-sectional area cable in 20mm dia conduit (Nos. of cables)		
No. of 2.5 sq.mm cross-sectional area cable in 25mm dia conduit (Nos. of cables)		
No. of 4 sq.mm cross-sectional area cable in 25mm dia conduit (Nos. of cables)		
No. of 6 sq.mm cross-sectional area cable in 25mm dia conduit (Nos. of cables)		
No. of 2.5 sq.mm cross-sectional area cable in 32mm dia conduit (Nos. of cables)		
No. of 4 sq.mm cross-sectional area cable in 32mm dia conduit (Nos. of cables)		
No. of 6 sq.mm cross-sectional area cable in 32mm dia conduit (Nos. of cables)		

Earthing		
The value any earth system resistance unless otherwise specified (mm)		
Diameter of electrodes of steel of galvanized iron (mm)		
Diameter of electrodes of copper (mm)		
Internal diameter of pipe electrodes of galvanized iron (mm)		
Internal diameter of pipe electrodes of cast iron (mm)		
The B17 length of the rod & pipe electrodes (mm)		
Thickness of plate electrodes of galvanized iron or steel (mm)		
Thickness of plate electrodes of copper (mm)		
Size of plate electrodes or galvanized iron or steel or copper (mm)		
Depth of the top edge of plate electrodes buried from ground (mm)		
Testing		
Number of points on the circuit (Nos.)		
Insulation resistance (Mohm) between earth and the whole system of conductor or any section of		
Insulation resistance (Mohm) between the metallic case and all live parts of each rheostat, appliance and sign when they are disconnected		
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 normal or to the other pole of the phase conductor		
Working voltage (V)		
The applied dc voltage (Volt) of meggering		
Each switch is placed in phase or Neutral?	☐ Phase ☐ Neutral	

SANITARY PLUMBING DESIGN

Building Elements	As Per Submitted Design	Remarks
Building Purpose		
Building Purpose	☐ Auditorium ☐ Office Building ☐ Hospital with Numbers of bed>100 ☐ Hospital with Numbers of bed<=100	
1. Underground Water Tank		
Underground Water Tank Design capacity (Nos)		
Water Consumption per capita per (Lt)		
Underground Water Tank Water Storage capacity		
2. Overhead Water Tank for Lavatory		
Number of w.c.		
Number of Urinals (if Hospital)		
Water storage capacity		
3. Fire Hydrant System if Hospital / Auditorium		
No. of floors		
Floor Area (m^2)		
Capacity of wet riser for underground water tank		
4. Gents Toilets for office buildings / Auditorium		
Number of users		
Water Closet (Nos.)		
Urinal (Nos.)		
Basin (Nos.)		
5. Ladies Toilets for office buildings / Auditorium		
Number of users		
Water Closet (Nos.)		

6. Staff Toilets (Ladies / Gents) if Auditorium		
Number of users		
Water Closet (Nos.)		
7. Hospital indoor patient ward (for ladies and gents toilet), if Hospital		
Number of users		
Water Closet (Nos.)		
Wash basin (Nos.)		
Bath (shower) Nos.		
Cleaner sink (kitchen sink) Nos.		