काठमाडौँ महानगरपालिका कार्यालय

शहरी विकास बिभाग

(नक्शा शाखा)

वागदरवार,सुन्धारा

नक्शा दरखास्त फारम

नाम: ..... सम्पर्क फोन नं:..... सडकको नाम:..... टोल:..... वडा नं: ..... कम्प्युटर दर्ता नं: ..... डि.पी.सी. पास मिति:..... सुपरस्ट्रक्चर पास मिति..... निर्माण सम्पन्न मिति.....	टिप्पणी	
	अस्थायी	
	स्थायी	
	नि.सं.	

मेरो पौरख,मेरो गौरव,मेरो काठमाडौँ

काठमाडौँ महानगरपालिका पो.ब.नं. ८४१३,फोन नं. ४२४९०६८,काठमाडौँ,नेपाल ।

Web-site:www.kathmandu.gov.np

श्री काठमाण्डौं महानगरपालिका कार्यालय

विषय : निर्माणको लागिनक्सापास सम्बन्धमा ।

मैले/हामीले देहाय लेखिएबमोजिमको निर्माण कार्य गर्ने भएकोले उक्तभवनआदिको विवरण तपसिलमाखुलाई आफ्नो हकभोगको निस्साको नक्कल, कित्तानक्सा एमोनिया प्रिन्ट र घरको आवश्यकनक्सा सहितनिवेदन दरखास्त पेश गरेको छु । उक्तनक्सापास गरी निर्माण कार्य गर्न स्वीकृतिपाउन अनुरोध छ । यस दरखास्तमा लेखिएको व्यहोरा ठीक साँचो छ, झुठ्ठा ठहरेमाकूनबमोजिम सजायँ सहँला बुझाउँला ।

तपसिल

निवेदक/निवेदिकाको नाम/थर : _____

_____

हालको ठेगाना

जिल्ला : _____ टोल : _____

वडा नम्वर : _____ सडकको नाम : _____

सम्पर्क नम्वर : _____ Email :_____

नगरिकता प्रमाण पत्र नम्वर : _____

नगरीकता जारी गरीएको जिल्ला : _____

नगरीकता जारी गरीएको मिति : _____

बुवा/पतिको नाम थर : _____

बाजेको नाम : _____

जग्गाको विवरण

वडा नम्वर : ____ साविक वडा नं. ____

जग्गा रहेको ठाउँ : _____

क्षेत्रफल : रोपनी____ आना____ पैसा____ दाम ____

नापि नक्सा नम्वर : _____ कित्ता नम्वर: _____

जग्गाको स्वामित्व : ☐ आफ्नै ☐ संयुक्त ☐ गुठि

☐ मञ्जुरीनामा ☐ आफ्नै र केहि मञ्जुरीनामा

कैफियत_____

नोट: एक कित्ता भन्दा बढी जग्गा भएमा थप जग्गाको विवरण भर्नको लागि थप पानाको प्रयोग गर्नुहोला ।

कार्यालय प्रयोजनको लागि

सि.न. :

द.नं. :

मिति :

NBC Class : B

निवेदकको प्रकार :

☐ जग्गा धनी ☐ घर धनी ☐ वारेश

भवनको प्रयोजन : Business Complex

स्ट्रक्चर टाइप : Frame Structure

निर्माण कार्यको किसिम

☐ नयाँ घर निर्माण

☐ तल्ला थप्ने

☐ साविक घर भत्काई पुन: निर्माण गर्ने

☐ थप घर निर्माण (Extension)

☐ जग्गामा पक्की पर्खाल लगाउने

☐ घरको मोहोडा फेर्ने

☐ घरको छानो फेर्ने

जग्गाको चार किल्लाविवरण :

अगाडी

१._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

२._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

३._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

४._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

५._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

पछाडी

१._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

२._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

३._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

४._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

५._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

दायाँ

१._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

२._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

३._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

४._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

५._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

बायाँ

१._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

२._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

३._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

४._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

५._____ तर्फ _____ मि., आफ्नै जग्गा पछि कि. नं. _____ को _____ बस्ने,

श्री _____ को घर/जग्गा/पर्खाल

जग्गाधनी (निवेदकभन्दा फरक भएमा)

जग्गाधनीको नाम/थर :_____

हालको ठेगाना

जिल्ला:_____टोल :_____वडा नम्वर :_____

सडकको नाम :_____सम्पर्क नम्वर :_____Email:_____

नागरिकता प्रमाण पत्रनम्वर:_____ नगरीकताजारी गरीएको जिल्ला:_____

नागरीकताजारी गरीएको मिति:_____

वुवा/पतिको नाम थर : _____

बाजेको नाम : _____

सहि : _____

मिति : _____

दायाँ बाँया

घरधनी (निवेदकभन्दा फरक भएमा)

घरधनीको नाम/थर :_____

हालको ठेगाना

जिल्ला:_____ टोल :_____ वडा नम्वर :_____

सडकको नाम :_____सम्पर्क नम्वर :_____Email:_____

नागरिकता प्रमाण पत्रनम्वर :_____ नगरीकताजारी गरीएको जिल्ला:_____

नागरीकताजारी गरीएको मिति:_____

वुवा/पतिको नाम थर : _____

बाजेको नाम : _____

सहि : _____

मिति : _____

दायाँ बाँया

थप जग्गाको विवरण

वडा नम्वर : ____ साविक वडा नं. ____ जग्गा रहेको ठाउँ : ______________________________

नापि नक्सा नम्वर : ______________________ कित्ता नम्वरः __________

क्षेत्रफल : रोपनी____ आना____ पैसा____ दाम ____

जग्गाको स्वामित्व : ☐ आफ्नै ☐ संयुक्त ☐ गुठि ☐ मञ्जुरीनामा ☐ आफ्नै र केहि मञ्जुरीनामा

कैफियत______________________________

वडा नम्वर : ____ साविक वडा नं. ____ जग्गा रहेको ठाउँ : ______________________________

नापि नक्सा नम्वर : ______________________ कित्ता नम्वरः __________

क्षेत्रफल : रोपनी____ आना____ पैसा____ दाम ____

जग्गाको स्वामित्व : ☐ आफ्नै ☐ संयुक्त ☐ गुठि ☐ मञ्जुरीनामा ☐ आफ्नै र केहि मञ्जुरीनामा

कैफियत______________________________

वडा नम्वर : ____ साविक वडा नं. ____ जग्गा रहेको ठाउँ : ______________________________

नापि नक्सा नम्वर : ______________________ कित्ता नम्वरः __________

क्षेत्रफल : रोपनी____ आना____ पैसा____ दाम ____

जग्गाको स्वामित्व : ☐ आफ्नै ☐ संयुक्त ☐ गुठि ☐ मञ्जुरीनामा ☐ आफ्नै र केहि मञ्जुरीनामा

कैफियत______________________________

वडा नम्वर : ____ साविक वडा नं. ____ जग्गा रहेको ठाउँ : ______________________________

नापि नक्सा नम्वर : ______________________ कित्ता नम्वरः __________

क्षेत्रफल : : रोपनी____ आना____ पैसा____ दाम ____

जग्गाको स्वामित्व : ☐ आफ्नै ☐ संयुक्त ☐ गुठि ☐ मञ्जुरीनामा ☐ आफ्नै र केहि मञ्जुरीनामा

कैफियत______________________________

काठमाडौं महानगरपालिका कार्यालय

Kathmandu Metropolitan City

भवन निर्माण संहित अनुसार नक्शा/डिजाईन स्विकृतीको लागि दरखास्त फाराम

श्री काठमाडौं महानगरपालिका
बागदरवार, काठमाडौं ।

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

काठमाडौं महानगरपालिका 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 का.म.पा. बाट समय समयमा दिईने निर्देशन पालना गर्नेछु तथा आवश्यक परेको बेला त्यस कार्यालयमा उपस्थित हुनेछु ।

घरधनीको नाम : .....

ठेगाना : .....

फोन नं. : .....

सही : .....

मिति : .....

दायाँ

बाँया

नेपाल राष्ट्रिय भवन निर्माण संहिता अनुसार भवन र संरचना डिजाइन गरीएको सम्वन्धमा

म/हामी यो प्रमाणित गर्दछु कि काठमाण्डौ महानगरपालिकाको स्थान _____ वडा नं. _____ मा अवस्थित नापी नक्शा सिट नं _____ कित्ता नं _____ क्षेत्रफल _____ का घर/धनी श्री _____ द्वारा निर्माण गर्न प्रस्ताव गरीएको भवन संरचना १/२/३ वर्गमा पर्ने भएकोले यसको स्ट्रक्चरल, स्यानिटरी प्लम्विङ्ग, ईलेक्ट्रिकल डिजाइन, ड्रइङ मैले/हामीले गरेको हो । यसमा भवन ऐन राष्ट्रिय भवन संहिता तथा अन्य ऐन नियमद्वारा प्रतिपादित समस्त नियम पालना गर्दै _____ तल्ला सम्मको लागि आवश्यक भुकम्प सुरक्षात्मक डिजाइन तथा प्रविधि अपनाइएको छ ।

डिजाइनरको नाम/फर्मको नाम :

योग्यता :

का.म.पा. रजिष्ट्रेशन नं. :

फोन नं. :

नेपाल ईन्जिनीयरीङ्ग परिषद दर्ता नं. :

ठेगाना :

सहि :

मिति :

दायाँ बाँया

यस भवनको स्ट्रक्चरल, स्यानीटरी, ईलेक्ट्रिकल सुपरिवेक्षण राष्ट्रिय भवन संहिता अनुसार मैले/हामीले गर्नेछु/छौं ।

सुपरिवेक्षकको नाम :

(ख वर्ग समेत)

का.म.पा. रजिष्ट्रेशन नं. :

ठेगाना :

फोन नं. :

सहि :

मिति :

निवेदकको दस्तखत :

नाम :

दायाँ बाँया

FLOOR DESIGN

SN	Floor	Floor Area (in Sq. Meter)					Total Floor Area (in Sq. Meter)	
		Existing		Proposed				
		Other Building	Previous Permitted Storey	FAR Non-countable (Non-Taxable)	FAR Non-countable (Taxable)	FAR Countable	Total (Taxable)	Total
1	Basement							
2	Semi Basement							
3	Ground Floor							
4	First Floor							
5	Second Floor							
6	Third Floor							
7	Fourth Floor							
8	Fifth Floor							
9	Sixth Floor							
10	Seventh Floor							
11	Eight Floor							
12	Ninth Floor							
13	Tenth Floor							
14	Eleventh Floor							
15	Twelve Floor							
16	Thirteenth Floor							

BUILDING BY-LAWS / GLD

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 Monument Sub-Zone (PMZn) ☐ Preserved Cultural Heritage Sub-Zone (PCMZn) ☐ Mixed Old Residential Sub-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 Residential Zone (GRZn) ☐ Kuleshwor Residential Zone (KRZn) ☐ Other	
Name of the Other Land Development Area		
Narayanhiti Palace Zone (NPZn)	☐ 100 ft from boundary wall ☐ 100-200 ft from boundary 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 ground floor 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 than four storey ☐ Cold Storage and Wear house	
Staircase		
Min. Tread width of Staircase excluding nosing (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 the nosing of the road (mm)		
Exit		
Max. travel distance to exit point in each floor (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 Habitable room (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 closets and bathroom (sq. m)		
Requirement for the physically disabled		
Is there a provision of separate entrance for disabled people next to the primary entrance of a building?	☐ Yes ☐ No	
Max. gradient for wheel chair ramp at entrance of building		
Min. width of wheel chair ramp at entrance 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)		

STRUCTURAL DESIGN (Type B)

Building Elements	As Per Submitted Design	Remark
General		
Building Structure Type	☐ Frame Structure	
Number of storeys applied for permit (in Nos.)		
Number of storeys considered in structural design (in Nos.)		
If Computer Aided Design (CAD) is used, please State the name of the software package		
Number of storeys considered in the design provision for further extension	☐ Yes ☐ No	
Total height (h) of structure with extension(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 Business and Office buildings		
Occupancy Load (Uniformly Distributed load in kN/m^2) for Rooms with separate storage		
Occupancy Load (Uniformly Distributed load in kN/m^2) for Rooms without separate storage		
Occupancy Load (Uniformly Distributed load in kN/m^2) for File rooms and storage rooms		

Occupancy Load (Uniformly Distributed load in kN/ m^2) for Stair and passage		
Occupancy Load (Uniformly Distributed load in kN/ m^2) for Balconies		
NBC 104-1994 Wind load		
Wind Zone		
Basic wind speed (in m/s)		
NBC 105-1994 Seismic Design of Buildings in Nepal		
Method adopted for earthquake resistant design	☐ Seismic Coefficient Approach ☐ Response Spectrum Method ☐ Others	
Adopted Code for Seismic Design	☐ IS 1893	
Subsoil category	☐ Type I (Hard) ☐ Type II (Medium) ☐ Type III (Soft)	
Seismic Weight (W) (in kN)		
Fundamental Time Period of the building along X (T_x)(in Seconds)		
Fundamental Time Period of the building along Y(T_y)(in Seconds)		
Seismic zoning factor (Z)		
Importance Factor (I)		
Response reduction factor (R)		
Spectral acceleration coefficient (S_a/g) along X		
Spectral acceleration coefficient (S_a/g) along Y		
Design Horizontal Seismic Coefficient Along X (A_h)		
Design Horizontal Seismic Coefficient Along Y (A_h)		
Base Shear(V_B) for Seismic Coefficient Along X		
Base Shear(V_B) for Seismic Coefficient Along Y		
Base Shear Generated through dynamic Analysis Along X (if response spectrum method 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 Maximum Inter-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 on Fire Safety		
Have you considered fire safety requirement?	☐ Yes ☐ No	
NBC 108-1994 Site Consideration for Seismic Hazards		
Whether Distance of construction site from toe/beginning of downward slope is within 50m?	☐ Yes ☐ No	
Whether Distance of construction site from river 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 per this 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 side continuous ☐ 2 long side continuous ☐ 2 short side continuous ☐ 1 long side continuous ☐ 1 short side continuous ☐ 4 side discontinuous	
Effective Thickness of slab (d) (in mm)		
Short span of Critical slab panel (L) (in mm)		
Calculated short span to effective depth ratio (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 bottom reinforcement		
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 depth ratio (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 slabsare submitted	□ Yes □ No	
Type of Foundations	□ Isolated □ Combined □ Raft □ PILE □ Strap	
Depth of foundation from ground level to the 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 following Exposure conditions		
For Exposed Section – Pipe		
For not Exposed Section - Pipe		
For Exposed Section - Webs of Standard size		
For not Exposed Section - Webs of Standard size		
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.		

ELECTIRCAL 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.		