

GUIDELINES FOR THE QUALIFICATIONS AND COMPETENCE OF PROFESSIONALS
(उपविधि संख्या-1.2.4)

A-1 ESSENTIAL REQUIREMENTS

A-1.1 Every building/development work for which permission is sought under the Code shall be planned, designed and supervised by registered professionals. The registered professionals for carrying out the various activities shall be: a) architect, (b) engineer, (c) structural engineer, (d) supervisor, (e) town planner, (f) landscape architect, (g) urban designer, and (h) utility service engineer. Requirements of registration for various professionals by the Authority or by the body governing such profession and constituted under a statute, as applicable to practice within the local body's jurisdiction, are given in A-2.1 to A-2.5. The competence of such registered personnel to carry out various activities is also indicated in A-2.1.1 to A-2.5.1.

A-2 REQUIREMENTS FOR REGISTRATION AND COMPETENCE OF PROFESSIONALS

A-2.1 Architect

The minimum qualifications for an architect shall be the qualifications as provided for in the Architects Act, 1972 for registration with the Council of Architecture.

A-2.1.1 The registered architect shall be competent to carryout the work related to the building/development permit as given below:

- a) All plans and information connected with building permit except engineering services of multistoreyed/special buildings.
- b) Issuing certificate of supervision and completion of all buildings pertaining to architectural aspects.
- c) Preparation of sub-division/layout plans and related information connected with development permit of area up to 1 hectare for metro-cities and 2 hectare for other places.
- d) Issuing certificate of supervision for development of land of area up to 1 hectare for metro-cities and 2 hectare for other places.

A-2.2 Engineer

The minimum qualifications for an engineer shall be graduate in civil engineering/architectural engineering of recognized Indian or foreign university, or the Member of Civil Engineering Division/Architectural Engineering Division of the Institution of Engineers (India) or the statutory body governing such profession, as and when established.

A-2.2.1 Competence

The registered engineer shall be competent to carryout the work related to the building/development permit as given below:

- a) All plans and information connected with building permit;
- b) Structural details and calculations of buildings on plot up to 500 m² and up to 5 storeys or 16 m in height;

- c) Issuing certificate of supervision and completion for all buildings;
- d) Preparation of all service plans and related information connected with development permit; and
- e) Issuing certificate of supervision for development of land for all area.

A-2.3 Structural Engineer

The minimum qualifications for a structural engineer shall be graduate in civil engineering of recognized Indian or foreign university, or Corporate Member of Civil Engineering Division of Institution of Engineers (India), and with minimum 3 years experience in structural engineering practice with designing and field work.

NOTE- The 3 years experience shall be relaxed to 2 years in the case of post-graduate degree of recognized Indian or foreign university in the branch of structural engineering. In case of doctorate in structural engineering, the experience required would be one year.

A-2.3.1 Competence

The registered structural engineer shall be competent to prepare the structural design, calculations and details for all buildings and supervision.

A-2.3.1.1 In case of buildings having special structural features, as decided by the Authority, which are within the horizontal areas and vertical limits specified in A-2.2.1(b) and A-2.4.1(a) shall be designed only by structural engineers.

A-2.4 Supervisor

The minimum qualifications for a supervisor shall be diploma in civil engineering or architectural assistantship, or the qualification in architecture or engineering equivalent to the minimum qualification prescribed for recruitment to non-gazetted service by the Government of India plus 5 years experience in building design, construction and supervision.

A-2.4.1 Competence

The registered supervisor shall be competent to carryout the work related to the building permit as given below:

- a) All plans and related information connected with building permit for residential buildings on plot up to 100 m² and up to two storeys or 7.5 m in height; and
- b) Issuing certificate of supervision for buildings as per (a)

A-2.5 Town Planner

The minimum qualification for a town planner shall be graduate or post-graduate degree in town and country planning with Associate Membership of the Institute of Town Planners.

A-2.5.1 Competence

The registered town planner shall be competent to carryout the work related to the development permit as given below;

- a) Preparation of plans for land sub-division/layout and related information connected with development permit for all areas.
- b) Issuing of certificate of supervision for development of land of all areas.

NOTE- However, for land layouts for development permit above 5 hectare in area, landscape architect shall also be associated, and for land development infrastructural services for roads, water supplies, sewerage/drainage, electrification, etc. the registered engineers for utility services shall be associated.

A-2.6 Landscape Architect

The minimum qualification for a landscape architect shall be the bachelor or master's degree in landscape architecture or equivalent from recognized Indian or foreign university.

A-2.6.1. Competence

The registered landscape Architect shall be competent to carryout the work related to landscape design for building development permit for land areas 5 hectares and above. In case of metro-cities, this limit of land area shall be 2 hectares and above.

Note: For smaller areas below the limits indicated above, association of landscape architect may also be considered from the point of view of desired landscape development.

A-2.7 Urban Designer

The minimum qualification for an urban designer shall be master's degree in urban design or equivalent from recognized Indian or foreign university.

A-2.7.1 Competence

The registered urban designer shall be competent to carryout the work related to the building permit for urban design for land areas more than 5 hectares and campur area more than 2 hectares. He/She shall also be competent to carryout the work of urban renewal for all areas.

Note: For smaller areas below the limits indicated above, association of landscape architect may also be considered from the point of view of desired urban design.

A-2.8 Engineers for Utility Services

For multi-storeyed/special buildings the work of building and plumbing services shall be executed under the planning, design and supervision of competent personnel. The qualification for registered mechanical engineer (including HVAC), electrical engineer and plumbing engineers for carrying out the work of Air-conditioning, Heating and Mechanical Ventilation, Electrical Installations, Lifts and Escalators and Water Supply, Drainage. Sanitation and Gas Supply installation respectively shall be as given in Part 8 'Building Services' and Part 9 'Plumbing Services' of National Building Code, 2005 or as decided by the Authority taking into account practices of the National Professional bodies dealing with the specialist engineering services.

A-3 BUILDER/CONSTRUCTOR ENTITY

The minimum qualification and competence for the builder/constructor entity for various categories of building and infrastructural development shall be as decided by the Authority to ensure compliance of quality, safety and construction practices as required under the National Building Code, 2005.

**निर्माण कार्य एवं भूकम्प जोन के आधार पर 'स्ट्रक्चरल इंजीनियर्स' की अर्हताएं
(उपविधि संख्या-13.5)**

कार्य की श्रेणी	निर्माण कार्यों की श्रेणीवार सीमा जिसकी स्ट्रक्चरल डिजाइन करने के लिए कालम 4 व 5 में निर्दिष्ट इंजीनियर अधिकृत होंगे	भूकम्प जोन जिसमें निर्माण स्थित होंगे	अधिकृत स्ट्रक्चरल इंजीनियर के लिए बहुमंजिले भवनों एवं सम्बन्धित अवस्थापना सुविधाओं के डिजाइन एवं निर्माण के पर्यवेक्षण का न्यूनतम अनुभव (वर्षों में)		अन्य विवरण
			ग्रेजुएट सिविल इंजीनियर के लिए	पोस्ट ग्रेजुएट स्ट्रक्चरल इंजीनियर के लिए	
1	2	3	4	5	6
(अ)	अधिकतम 4 मंजिला अथवा 12 मीटर ऊँचाई अथवा 2500 वर्ग मीटर कवर्ड एरिया तक के बहुमंजिले भवनों/ महत्वपूर्ण अवस्थापना सुविधाओं के लिए	(i) जोन 3 तक	3	1	—
		(ii) जोन 4 व 5	5	3	—
(ब)	अधिकतम 8 मंजिला अथवा 24 मीटर ऊँचाई अथवा 5000 वर्ग मीटर कवर्ड एरिया तक के बहुमंजिले भवनों/ महत्वपूर्ण सुविधाओं के लिए	(i) जोन 3 तक	7	5	—
		(ii) जोन 4 व 5	9	7	—
(स)	8 मंजिला अथवा 24 मीटर से अधिक ऊँचाई अथवा 5000 वर्ग मीटर कवर्ड एरिया से अधिक बहुमंजिले भवनों एवं महत्वपूर्ण अवस्थापना सुविधाओं के लिए।	जोन 1 से 5 तक	10	8	स्ट्रक्चरल डिजाइन, को आई. आई. टी., रुड़की विश्वविद्यालय अथवा किसी अन्य निर्दिष्ट तकनीकी संस्थान के स्ट्रक्चरल इंजीनियरिंग के प्रोफेसर से प्रति हस्ताक्षरित कराना होगा।