

GOVERNMENT OF ASSAM  
INSPECTORATE OF ELECTRICITY  
OFFICE OF THE CHIEF ELECTRICAL INSPECTOR -CUM- ADVISER, ASSAM  
MAHABHAIRAB BUILDING : PUB-SARANIA ROAD : GUWAHATI – 781 003 : ASSAM

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OFFICE MEMORANDUM

Multi-storied high-rise commercial/ residential buildings of various sizes are increasing at unprecedented number in different places of Assam. Many of those have standby/ captive generator and lift/ escalator installation as well. All such buildings attract some mandatory safety provisions, which are to be complied with during construction/ installation, commissioning and period of regular use. In order to ensure safety from use of electricity in such buildings, it is required to comply with safety provisions of the “Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2010” and relevant Notification by No.PEL.01/2011/113, Dtd.06.08.2010 by Govt. of Assam.

Similarly, all activities relating to installation, commissioning, operation, use and maintenance of Lifts and Escalators are mandatorily to be done only by appropriate licensed persons, within legal framework set by the Assam Lifts and Escalators Rules, 2010.

Some of such statutory requirements are mentioned below, for appropriate compliance by all concerned in the matter, so that Public Safety is not jeopardized besides violation of mandatory provisions, though the list is not exhaustive:

- A) All transformers, Generating sets of capacity exceeding 10 KW, High-rise buildings of height exceeding 15 metres with connected load exceeding 15 KW and 400 Volts, Lifts and Escalators require statutory approval in writing from Inspector for commissioning and use;
- B) Only dry-type of transformers can be used inside any commercial and residential building, while in case of other buildings, oil filled transformers cannot be installed in any floor above ground floor and below first basement;
- C) Circuit breaker of adequate capacity must be provided by consumer on secondary side of transformers of any capacity and on the primary side of all transformer and apparatus of aggregate capacity of 1000 KVA and above;
- D) Additionally, as a part of action in tandem with the ongoing National mission for Energy Efficiency, large commercial buildings with connected load more than 100KW, the building should be constructed observing requirements under the Energy Conservation Building Codes (ECBC) published by the Bureau of Energy Efficiency, Ministry of Power, Govt. of India under the Energy Conservation Act, 2001 to ensure energy efficiency.

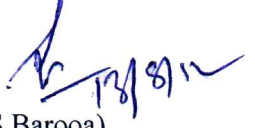
Arrangements are required for complying with the above right from the initial stage of planning and designing, since, a lot of difficulties may arise in correcting a physical installation at later stage that has been done otherwise. An example may be drawn to the case where a large commercial building with connected load exceeding 100 KW attracting ECBC, if designed and constructed otherwise as usual but later on if it becomes necessary to comply with ECBC, reversal will be extremely difficult. Similarly, an oil-filled transformer placed indoor at any floor of a commercial/ residential building due to dearth of open space or reason(s) whatsoever it/those may be, is prohibited by law to be energized.

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In view of the fact, all stake holders are requested kindly to look into the matter and take necessary steps on their respective parts, so that violations of statutory provisions do not occur.

Necessary application forms in the matter can be directly downloaded from website of this Inspectorate at URL: [www.ceiassam.org](http://www.ceiassam.org)

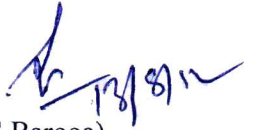
  
(S.Barooa)  
Chief Electrical Inspector -cum- Adviser,  
Govt. of Assam.

Memo No.CEIA/Misc-397/2005-2012/55,

Dated Guwahati, the 13<sup>th</sup> August 2012.

Copy to:

- 1) The Commissioner & Secretary to the Govt. of Assam, Power (Electricity) etc. Department, Dispur, Guwahati – 781 006, Assam, for favour of information.
- 2) The Commissioner & Secretary to the Govt. of Assam, Municipal Administration Department, Dispur, Guwahati – 781 006, Assam, for favour of information.
- 3) The Commissioner & Secretary to the Govt. of Assam, Urban Development Department, Dispur, Guwahati – 781 006, Assam, for favour of information.
- 4) The Commissioner & Secretary to the Govt. of Assam, Guwahati Development Department, Dispur, Guwahati – 781 006, Assam, for favour of information.
- 5) The Commissioner & Secretary to the Govt. of Assam, Public Works Department, Dispur, Guwahati – 781 006, Assam, for favour of information.
- 6) The Deputy Commissioners of all civil districts, for favour of needful information.
- 7) All Heads of Municipal/ Local Bodies & Development Authorities, for favour of needful information, with a request to ensure approval of plans/ designs for constructions thereof that do not violate statutory provisions.
- 8) All Chief General Managers (D), Assam Power Distribution Company Ltd., for favour of information and necessary action.
- 9) All Senior Electrical Inspectors, HQ & Zonal offices, Inspectorate of Electricity, Assam, for information and necessary action.

  
(S.Barooa)  
Chief Electrical Inspector -cum- Adviser,  
Govt. of Assam.

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