



INDIAN SOCIETY OF STRUCTURAL ENGINEERS

ISSE

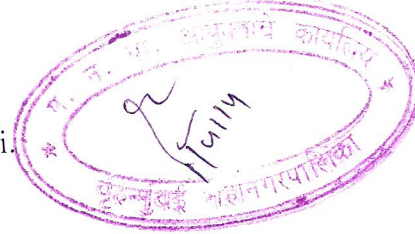
C/o. S. G. Dharmadhikari, 24, Pandit Niwas, S. K. Bole Marg, Dadar (W), Mumbai - 400 028
Tel. : 91 - 22 - 2436 5240, 2422 1015 E-mail : issemumbai@gmail.com Website : www.isse.org.in

Past President : S. G. Dharmadhikari, **Members :** K. L. Savla, M. V. Sant, J. R. Raval, D. S. Joshi, U. V. Dhargalkar, S. H. Jain, H. S. Vadalkar, N. K. Bhattacharyya
PRESIDENT : Prof. G. B. Chaudhari, **SECRETARY :** P. B. Dandekar, **TREASURER :** M. M. Nandgaonkar,

March 28, 2014
Ref : ISSE/MCGM/ MC/ Audit

To,

The Municipal Commissioner of Greater Mumbai.
Mahapalika Bhavan,
Fort, Mumbai 400001



Sub: Structural audit of buildings with Non Destructive Tests (NDT).
Ref : News in Times of India dated 25-3-2014.

Dear Sir,

This has a reference to the news item in Times of India dated 25/03/2014 regarding structural audit of buildings which are more than 30 years old(copy enclosed). It is mentioned in the news item that MCGM intends to make Non Destructive Testing compulsory for these buildings.

Indian Society of Structural Engineers (ISSE) is an association of Structural Engineers. ISSE is working for betterment of civil and structural engineers by conducting lectures, seminars, workshops and publishing technical literature. ISSE would like to promote good engineering practices.

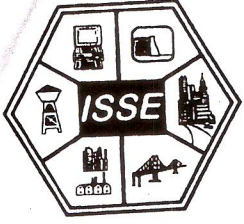
ISSE would like to bring to your kind attention following information regarding NDT.

1. Non Destructive tests (NDT) are qualitative tests and not the confirmatory tests having limitations with regards to results and its interpretation.
2. Non Destructive Tests (NDT) on distressed structural members may give erratic and misleading results.
3. It is not rational and appropriate to draw critical conclusions and recommendations based on NDT results.
4. If NDT is carried out when not required, will add unnecessary financial burden.

Therefore, it is advisable not to make NDT mandatory / compulsory.

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It is suggested to allow concerned structural engineer / auditor to take appropriate decision, on conducting NDT on case to case basis.

ISSE humbly requests you not to make NDT mandatory.

ISSE is willing to extend all technical assistance in this regard.

Thanking you .

Sincerely Yours,

Prof. G. B. Chaudhari
President, ISSE

- CC: 1. Director Engineering Services
2. City Engineer
2. CE (P&D)
3. CE (D P)



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 ...ission K Aj for years."
 ...beating us." One th...
 ...made a call to another accused
 ...and asked him to join them
 ...quickly. She further revealed that
 ...after the attack, the accused
 ...threatened her. She required
 ...medical help for the multiple
 ...injuries she suffered

...were done so simultaneously. The pronou-
 ...ncements were made just five minutes apart.
 ...This was only because of human limitat-
 ...ions as one person cannot pronounce two
 ...judgments together," he argued. Earlier,
 ...Salsingekar insisted that the court take on
 ...record the presence of home minister R R
 ...Patil on Thursday. The court pointed out the
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Times - 25-MAR-2014

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18,000 old bldgs to get structural audit notice by April 10

Pre-Monsoon Test For Structures Over 30 Years Old

Linah Baliga | TNN

Mumbai: The BMC has given wards time till April 10 to issue notices for structural tests to over 18,000 buildings that are more than 30 years old. It will be mandatory for societies to conduct a non-destructive test before they submit the structural audit report to the BMC. This was announced by municipal commissioner Sitaram Kunte on Monday. In Mumbai, there are 32,429 buildings that are above 30 years old. Earlier this year, the BMC had sent notices to 13,779 buildings to conduct structural audits but as there are many more old buildings, a fresh list has been drawn up. Now, the BMC has to send notices to over 18,650 buildings.

STRENGTH CHECK

- ▶ The civic body has set an April 10 deadline for 24 wards to issue notices to buildings more than 30 years old
- ▶ It will be mandatory for societies to conduct a non-destructive (ND) test before they submit their structural audit report to the BMC
- ▶ There are four types of ND tests mandatory for structural audits—ultrasonic pulse velocity test, rebound hammer test, half cell potentiometer test and carbonation test
- ▶ Societies have to spend between Rs 50,000 and Rs 1 lakh to conduct such audits

The notice states that if the building is more than 30 years old, it is the owner's responsibility to carry out structural audits. A non-destructive test includes taking portions—the core from columns and beams and sending it for testing in a laboratory to check its strength. "The notices will be given to the secretary, chairman, owners and all tenants of the building," said a senior civic official.

Shashank Mehendale & Associates, BJ Mehta, Structwel

and Retrofit are some of the structural consultants on the panel. "Besides a visual test, the audits will have to be conducted by appointing one of these consultants," said civic official.

After the BMC notice, the audit has to be conducted within 30 days. "The report is sent to the technical audit committee team. If declared dangerous, the report will go to the building proposals department. If the building needs repairs, the audit report will be sent to the executive engineer," said the official. The BMC has appointed a technical audit committee. "If two audits differ in their reports, this panel will decide the building's fate," said the official.

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Auto driver returns passenger ₹1L valuables

Bhiwandi: An auto driver on Monday returned jewellery, phone and cash worth Rs 1.25 lakh to a passenger. Thakurli residents Vilas Yelkar and his wife had hired the auto in the afternoon to go to a relative's house in Bhiwandi, but forgot the bag kept behind the seat. Some time later, the driver Kailash Gonte heard a phone ringing. He saw the bag and found jewellery, some cash and a smartphone collectively worth around Rs 1.25 lakh. Gonte then informed Yelkar about his bag. The rickshaw union has decided to felicitate Gonte.—Pradheep Gupta

