

Date: 17/09/2020

Time: 10:00AM

Place: Basement

A Fire System drill was conducted at **1.5 Bar** and noted 10 issues that require rectifying have been identified including leaking pipes and broken sprinklers.

1. Pipe joint leak (CSSD entrance)
2. Sprinkler joint leak (CSSD corridor)
3. Pipe leak (CSSD corridor)
4. Leak through ceiling in a room in CSSD. The leakage not visible.
5. Main pipe joint leak (hallway)
6. Main pipe joint leak leading into Medical Records Room
7. Pipe leak (in front of stairway)
8. Wet riser pipe reducing joint having lot of water leaks (4 to 3 inches)
9. Laundry area broken sprinkler
10. Pump room main pipe leak

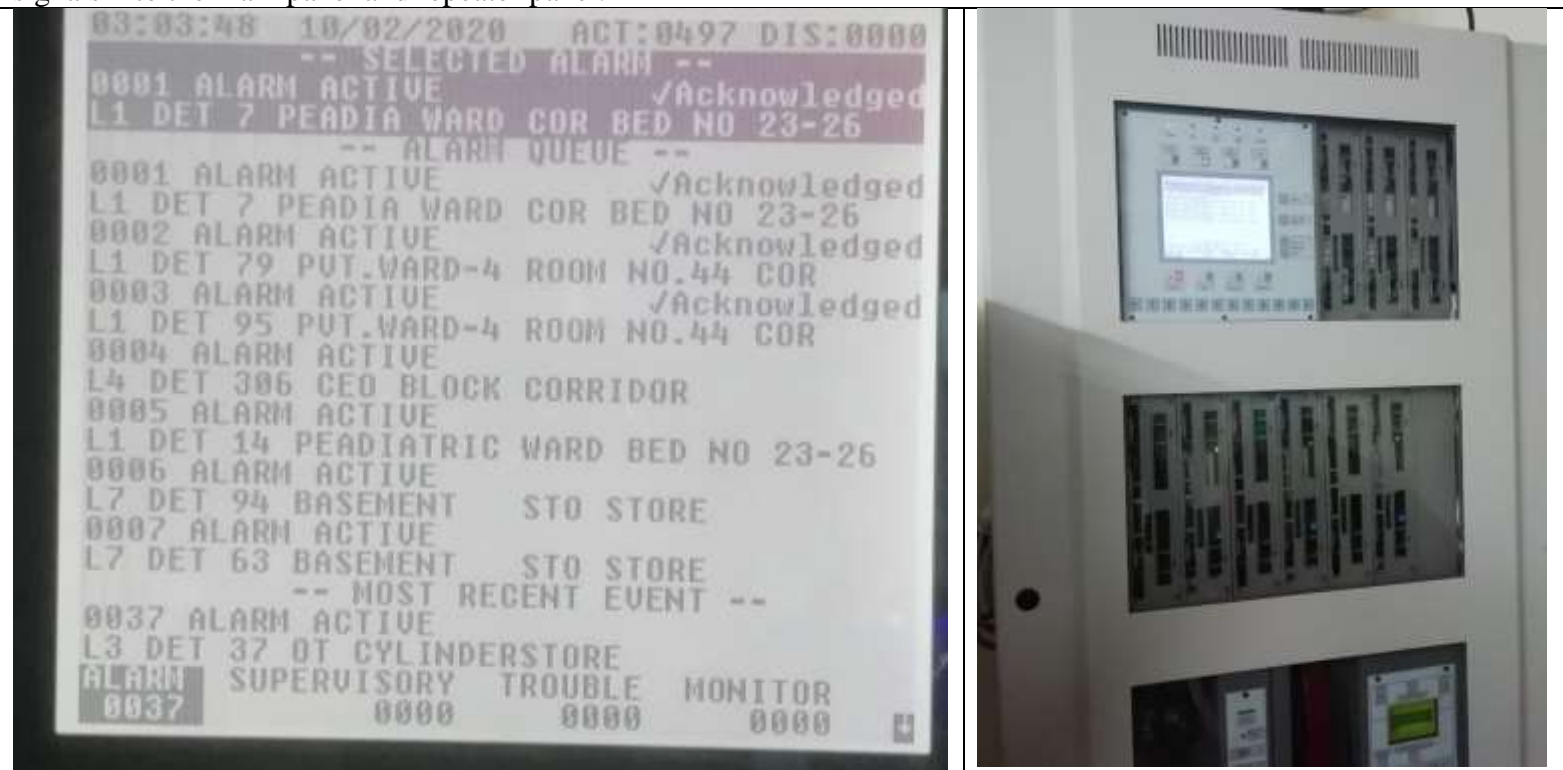
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FIRE SYSTEM STATUS REPORT

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As per the site inspection had On 17/09/2020,IGMH fire detection system was not working on good condition since long time and also,noted there were not periodical testing and rectification have not been done since long time. Therefore,existing system is not in working condition and it has to be commissioned back ensuring all fire detection signals into the main panel and repeater panel.



Scope of the work as below

- Identify the connectivity of smoke detectors, flame detectors, manual call points, and fire pumps with fire detection panels
- Rectify all technical issues and set alarms free.

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- Set of the dedicated existing desk top for the FDS
- Proceed the test run
- Commission back to operation.





IGMH Basement area fire sprinkler system test on 30/08/2020. Noted there are water leaks from the main isolation valve for the wet riser water pipe that goes to the whole area of the IGMG fire hydrant points. Therefore, that main gate valve (150mm) need to be replaced to proceed the pressure test of the sprinkler system.

Note:

Firefighting system:

As per the fire sprinkler test run, noted there are 10 nos of water leak points at 1.5 bar water pressure due to severe corrosion spots. Therefore, it is very difficult to go for repairing the fire fighting system under this condition and it is worth to go for a new firefighting system instead of repairing old system.

Fire detection system:

In addition, the fire detection system presently is not in operational condition due to the defective fire detectors, disconnection of wiring intermediately, improper function of the main detector panel etc. Further; it needs to be extended over the area added newly to the IGMH premises.

Fire Standards:

Need to follow the fire safety standard which has been recommended for the hospital sector. The final fire detection and suppression system needs to be checked and approved by the accredited fire auditor before commencing the project. Finally, whole the fire detection and suppression system commissioning data should be adhered to the fire standard selected.

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Conclusion:

Presently IGMH whole premises is not protected fully at the present of fire hazardous condition and immediately, it needs to have an exact solution by the authorities to bring the premises into fire safe condition.