



**Near Miss – HiPo DROPPED OBJECT**

<b>Number</b>	2022-10	<b>Date</b>	28.07.2022
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**Summary:**

On Thursday, 28.07.2022, at around 16:07 hrs, a 4 m long scaffold tube weighing approx. 5 kg fell from the 23m elevation during modification of the scaffolding structure by scaffolders in the BS 06 Turbine Hall area. During this activity, the team modified the two scaffold swivel clamps that were securing the 6 m long scaffold tube top rail without realizing that there were no other clamps securing the 4m long mid rail and two attached puncheons. This resulted in the drop of the 4m long mid rail scaffold tube together with the two attached puncheons from the 23m elevation, landed and hung on another scaffolding ledger and an erected structural column.

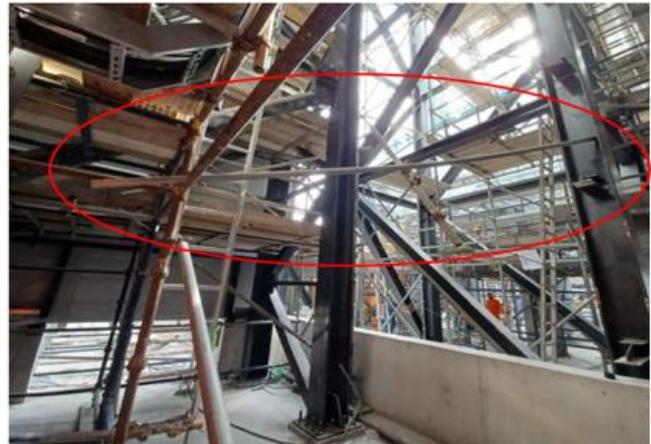
**Outcomes:**

There were no injuries reported or property damage.

**Incident Classification: Level 3 HiPo Near Miss**



Mid rail and puncheon fell from 23m elevation



Mid rail and puncheon final landed position

**Root Causes and Contributory Factors**

- The puncheons of the scaffolding was only secured on the top rail with two swivel couplers. They were not secured on the existing structural steel beam.
- The scaffolders did not examine the scaffolding structure which need to be modified prior to starting the modification activity. The examination would have revealed if the immediate integrity of the structure would be affected by the modification.
- There was poor work arrangement/planning by the scaffold modification team as they were working under the EDRA/T-Card of another team which did not cover their scaffold modification scope of work.
- There was no dedicated scaffolding supervisor provided for the scaffold modification activities.

**Lesson Learned**

- The scaffolders and scaffold inspectors should ensure that all scaffold structures are adequately erected with appropriate anchorage/couplings attached.
- All scaffold modification activities should be supervised by a competent scaffolding supervisor.
- Adequate safe system of work including appropriate Drop Zone should be established prior to the start of any scaffold modification activity.
- Prior to starting any modification of a scaffold structure, the scaffolders should examine/survey the structure to ensure that the modification will not jeopardise the immediate integrity of the scaffold structure.
- Only trained and competent scaffolders can make erection, dismantling or alteration of any scaffold structure.



Every Lesson Learned is an opportunity to avoid recurrences.  
What have you done to avoid a similar incident on your project?

