



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার  
শ্রম ও কর্মসংস্থান মন্ত্রণালয়  
কলকারখানা ও প্রতিষ্ঠান পরিদর্শন অধিদপ্তর

"শ্রমজীবী মানুষের অধিকার,  
বৈষম্যহীন বাংলাদেশের অঙ্গীকার"

ক্যাপ পর্যবেক্ষণের তথ্য

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| কারখানার নাম | হাভেন ক্যাশন লিমিটেড                                 |
| ঠিকানা       | Purbohati Road, Hemayetpur, Natun Para, Savar, Dhaka |
| কারখানার কোড | DHK251   |
| কালার কোড    |  |

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| মূল্যায়নের ধরণ: <b>কাঠামোগত মূল্যায়ন</b> | পর্যবেক্ষণের তারিখ: - |
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**১. পর্যবেক্ষণ**

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| পরিদর্শন<br>পর্যবেক্ষণ      | Inadequate Factor of Safety (FOS) |
| ক্যাপ<br>আইটেম<br>ক্যাটাগরি |                                   |

**১.১. কার্যক্রম**

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| কার্যক্রম              | The factor of safety for this building has been found to be low with the existing gravity load. it is recommended to have a detail engineering assessment (DEA) of the structure as per section 17.2 of NTC guideline.   |
| সুপারিশের<br>তথ্যসূত্র |  |
| কারখানার<br>কার্যক্রম  |  |
| অগ্রাধিকার             | প্রয়োজ্য নয়  |
| চূড়ান্ত<br>সময়সীমা   | -  |
| সংশোধিত<br>সময়সীমা    | ২৫-০৭-২০২২   |
| অগ্রগতির<br>অবস্থা     | চলমান  |
| মন্তব্য                | CVV1: 29-Dec-2019 DEA has been completed and submitted to DIFE for approval. CVV2: 12-Mar-2020 DEA has been submitted to DIFE for approval and need to incorporate the steel stair. DEA has been done considering 3-storied building but vertical extension found upto 4-storey. 08.10.2020: Same as last visit. 21.01.21 visit observation: DEA has been submitted to DIFE in 2019 for approval and need to incorporate the steel stair. DEA has been done considering 3-storied building but vertical extension found upto 4-storey. after 2019 there is no update of approval from RCC. On 31/08/2021 Visit Observation: The factory management firstly submitted their structural design & drawings along with DEA on 19/12/2018. On 10/01/2019 on 94th structural taskforce meeting held regarding this issue. On 17/10/2019 the factory management re-submitted their DEA with some reviews & corrections. But no taskforce meeting held after this re-submission. Now the factory management is waiting for taskforce decision from DIFE RCC. |

**২. পর্যবেক্ষণ**

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| পরিদর্শন<br>পর্যবেক্ষণ    | As-built Drawings |
| কাপ<br>আইটেম<br>ক্যাটাগরি |                   |

### ২.১. কার্যক্রম

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| কার্যক্রম              | As built Architectural and structural drawings of the different structural elements, foundation details to be prepared for the building. As part of this process building engineer will be required to make a number of checks on the as-built construction.   |
| সুপারিশের<br>তথ্যসূত্র |  |
| কারখানার<br>কার্যক্রম  |  |
| অগ্রাধিকার             | প্রযোজ্য নয়   |
| চূড়ান্ত<br>সময়সীমা   | -  |
| সংশোধিত<br>সময়সীমা    | ২৫-০৭-২০২২   |
| অগ্রগতির<br>অবস্থা     | চলমান  |
| মন্তব্য                | CVV1: 29-Dec-2019 As built structural and architectural drawings have been found on site and submitted to DIFE for approval. CVV2: 12-Mar-2020 As built structural and architectural drawings have been found on site and submitted to DIFE for approval. Mismatch has been observed in structural and architectural drawing. 08.10.2020: Same as previous visit. this structure has expansion joint but we are not found in as build drawing. 21.01.21 visit observation: As built structural and architectural drawings have been found on site and submitted to DIFE for approval. Mismatch has been observed in structural and architectural drawing. On 31/08/2021 Visit Observation: As built structural and architectural drawings have been found on site and submitted to DIFE for approval. The factory management firstly submitted their structural design & drawings along with DEA on 19/12/2018. On 10/01/2019 on 94th structural taskforce meeting held regarding this issue. On 17/10/2019 the factory management re-submitted their DEA with some reviews & corrections. But no taskforce meeting held after this re-submission. Now the factory management is waiting for taskforce decision from DIFE RCC. |

### ৩. পর্যবেক্ষণ

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| পরিদর্শন<br>পর্যবেক্ষণ    | Coring |
| কাপ<br>আইটেম<br>ক্যাটাগরি |        |

### ৩.১. কার্যক্রম

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| কার্যক্রম              | Coring with 4 nos. 4 in. cores ( 3 in. when taken from column ) for the building and scanning of rebars in the GF.  |
| সুপারিশের<br>তথ্যসূত্র |   |
| কারখানার<br>কার্যক্রম  |   |
| অগ্রাধিকার             | প্রযোজ্য নয়  |
| চূড়ান্ত<br>সময়সীমা   | -   |
| সংশোধিত<br>সময়সীমা    | ২৫-০৭-২০২২  |
| অগ্রগতির<br>অবস্থা     | চলমান   |
| মন্তব্য                | CVV1: 29-Dec-2019 4 nos. Core test report has been found on site. CVV2: 12-Mar-2020 4 nos. Core test report has been found on site. 08.10.2020: Same as previous visit. 21.01.21 visit observation: Core test report has been submitted to DIFE in 2020. On 31/08/2021 Visit Observation: Core test report has been submitted to DIFE in 2019. The factory management firstly submitted their structural design & drawings along with DEA on 19/12/2018. On 10/01/2019 on 94th structural taskforce meeting held regarding this issue. On 17/10/2019 the factory management re-submitted their DEA with some reviews & corrections. But no taskforce meeting held after this re-submission. Now the factory management is waiting for taskforce decision from DIFE RCC. |

### ৪. পর্যবেক্ষণ

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| পরিদর্শন<br>পর্যবেক্ষণ      | Structural Analysis |
| ক্যাপ<br>আইটেম<br>ক্যাটাগরি |                     |

#### ৪.১. কার্যক্রম

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| কার্যক্রম              | Structural analysis to ascertain safety of the structure and recommending remedial measures if required.   |
| সুপারিশের<br>তথ্যসূত্র |  |
| কারখানার<br>কার্যক্রম  |  |
| অগ্রাধিকার             | প্রযোজ্য নয়   |
| চূড়ান্ত<br>সময়সীমা   | -  |
| সংশোধিত<br>সময়সীমা    | ২৫-০৭-২০২২   |
| অগ্রগতির<br>অবস্থা     | চলমান  |
| মন্তব্য                | CVV1: 29-Dec-2019 DEA has been completed and submitted to DIFE for approval. CVV2: 12-Mar-2020 DEA has been submitted to DIFE for approval and need to incorporate the steel stair. DEA has been done considering 3-storied building but vertical extension found upto 4-storey. 08.10.2020: Same as previous visit. 21.01.21 visit observation: DEA has been submitted to DIFE for approval and need to incorporate the steel stair. DEA has been done considering 3-storied building but vertical extension found upto 4-storey. On 31/08/2021 Visit Observation: The factory management firstly submitted their structural design & drawings along with DEA on 19/12/2018. On 10/01/2019 on 94th structural taskforce meeting held regarding this issue. On 17/10/2019 the factory management re-submitted their DEA with some reviews & corrections. But no taskforce meeting held after this re-submission. Now the factory management is waiting for taskforce decision from DIFE RCC. |

#### ৫. পর্যবেক্ষণ

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| পরিদর্শন<br>পর্যবেক্ষণ    | Floor Load Plan |
| কাপ<br>আইটেম<br>ক্যাটাগরি |                 |

#### ৫.১. কার্যক্রম

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| কার্যক্রম              | The factory owner has been instructed to prepare and submit a load plan for vetting. Once it is submitted by the factory owner, it will be duly vetted. The factory owner should arrange displaying the approved load plan for each floor on the wall in a visible location and shall adhere to it.   |
| সুপারিশের<br>তথ্যসূত্র |   |
| কারখানার<br>কার্যক্রম  |   |
| অগ্রাধিকার             | প্রযোজ্য নয়  |
| চূড়ান্ত<br>সময়সীমা   | -   |
| সংশোধিত<br>সময়সীমা    | ২৫-০৭-২০২২  |
| অগ্রগতির<br>অবস্থা     | চলমান   |
| মন্তব্য                | CVV1: 29-Dec-2019 Load plan has been submitted to DIFE for approval. No load management program has been currently maintained. CVV2: 12-Mar-2020 Load plan has been submitted to DIFE for approval. No load management program has been currently maintained. No overloading has been observed. 08.10.2020: Same as previous visit. as built load plan hang on every floor. and they are maintain this load. 21.01.21 visit observation: Load plan has been submitted to DIFE for approval. As built load plan found on every floor.No overloading has been observed. On 31/08/2021 Visit Observation: The factory management firstly submitted their structural design & drawings along with DEA on 19/12/2018. On 10/01/2019 on 94th structural taskforce meeting held regarding this issue. On 17/10/2019 the factory management re-submitted their DEA with some reviews & corrections. But no taskforce meeting held after this re-submission. Now the factory management is waiting for taskforce decision from DIFE RCC. |

#### ৬. পর্যবেক্ষণ

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| পরিদর্শন<br>পর্যবেক্ষণ    | Horizontal and Vertical Extension |
| কাপ<br>আইটেম<br>ক্যাটাগরি |                                   |

#### ৬.১. কার্যক্রম

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| কার্যক্রম              | No horizontal or vertical extension of the building shall be made without detail engineering assessment.  |
| সুপারিশের<br>তথ্যসূত্র |   |
| কারখানার<br>কার্যক্রম  |   |
| অগ্রাধিকার             | অবিলম্বে  |
| চূড়ান্ত<br>সময়সীমা   | -   |
| সংশোধিত<br>সময়সীমা    | ০১-০১-১৯৭০  |
| অগ্রগতির<br>অবস্থা     | চলমান   |
| মন্তব্য                | CVV1: 29-Dec-2019 Vertical extension (Upto 3rd Floor) has been found which was not included in DEA analysis. DEA submitted for approval considering 3-storied building. CVV2: 12-Mar-2020 Vertical extension (Upto 3rd Floor) has been found which was not included in DEA analysis. DEA submitted for approval considering 3-storied building. 08.10.2020: Same as previous visit. new floor has under construction. 21.01.21 visit observation: Vertical extension (Upto 3rd Floor) has been found which was not included in DEA analysis. DEA submitted for approval considering 3-storied building. Due to pandemic situation the factory management did not do any work to solve this issue. On 31/08/2021 Visit Observation: Vertical extension (Upto 3rd Floor) has been found which was not included in DEA analysis. DEA submitted for approval considering 3-storied building. The factory management firstly submitted their structural design & drawings along with DEA on 19/12/2018. On 10/01/2019 on 94th structural taskforce meeting held regarding this issue. On 17/10/2019 the factory management re-submitted their DEA with some reviews & corrections. But no taskforce meeting held after this re-submission. Now the factory management is waiting for taskforce decision from DIFE RCC. |

#### ৭. পর্যবেক্ষণ

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| পরিদর্শন<br>পর্যবেক্ষণ    | Distress in Primary Structural Element |
| কাপ<br>আইটেম<br>ক্যাটাগরি |  |

#### ৭.১. কার্যক্রম

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| কার্যক্রম              | The owner or user of the building should be vigilant about development of any distress, particularly in primary structural elements such as columns, beams and slabs. If crack appear, propagate and widen, detail assessment and adoption of the remedial measures may become necessary.  |
| সুপারিশের<br>তথ্যসূত্র |  |
| কারখানার<br>কার্যক্রম  |  |
| অগ্রাধিকার             | অবিলম্বে   |
| চূড়ান্ত<br>সময়সীমা   | -  |
| সংশোধিত<br>সময়সীমা    | ০১-০১-১৯৭০   |
| অগ্রগতির<br>অবস্থা     | সংশোধিত  |
| মন্তব্য                | CVV1: 29-Dec-2019 No structural crack has been found during visit. CVV2: 12-Mar-2020 No structural crack has been found during visit. 08.10.2020: Same as previous visit. 21.01.21 visit observation: No structural crack has been found during visit. On 31/08/2021 Visit Observation: No distress in any primary structural element found during inspection. |

#### ৮. পর্যবেক্ষণ

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| পরিদর্শন<br>পর্যবেক্ষণ      | Exposed rebar on roof to column. |
| ক্যাপ<br>আইটেম<br>ক্যাটাগরি |                                  |

#### ৮.১. কার্যক্রম

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| কার্যক্রম              | Apply protective coating or any other measures to prevent corrosion.  |
| সুপারিশের<br>তথ্যসূত্র |   |
| কারখানার<br>কার্যক্রম  |   |
| অগ্রাধিকার             | ৬ সপ্তাহ  |
| চূড়ান্ত<br>সময়সীমা   | -   |
| সংশোধিত<br>সময়সীমা    | ১৫-০৮-২০২২  |
| অগ্রগতির<br>অবস্থা     | সংশোধিত   |
| মন্তব্য                | CVV2: 12-Mar-2020 Exposed rebar of roof column has been found without any protective action. 08.10.2020: Exposed column rebar remain exposed. Action has not taken yet. We suggest them expose column rebar coated with paint or any protective action. 21.01.21 visit observation: Action has taken for this issue. the factory management has coated with paint the exposed rebars. On 31/08/2021 Visit Observation: Action has taken for this issue. Exposed rebars have been coated with paint. |