BOILER SAFETY REPORT

Newage Garments Ltd. (Extension)

Factory ID: 25865

Address: NISCHINTAPUR, PURBO NARSINGHAPUR, ZIRABO, AUSULIA, SAVAR,

GPS Coordinates: 23.924895, 90.308234

Factory List	:	Newage Garments Ltd. (Extension) (25865) Kei Lock Newage (BD) Ltd. (11295) Newage Garments Ltd. (9603) Newage Apparels Ltd. (9604)
Number of Boilers	:	12
Boiler Registration Numbers	:	BB 7446, BB 7447, BB 7448, BB 9864, BB 10205, BB 11258, BB 11743, BB 6336, BB 13066, BB 3452, BB 14856, BB 15346

RSC | RMG SUSTAINABILITY COUNCIL

EXECUTIVE SUMMARY

A comprehensive boiler safety inspection of the factory – **Newage Garments Ltd. (Extension) (25865)** was conducted by the RMG Sustainability Council, covering 12 boilers bearing the registration numbers – BB 7446, BB 7447, BB 7448, BB 9864, BB 10205, BB 11258, BB 11743, BB 6336, BB 13066, BB 3452, BB 14856, and BB 15346. The inspection aimed for the safety checks of the boiler and provide recommendations for safe operation and maintenance.

The inspection process was divided into three distinct parts. Firstly, an external visual inspection was carried out to evaluate the overall condition of the boiler and provide guidance for the upcoming full-fledged boiler safety inspection. Next, an internal inspection and hydrostatic pressure test (commonly referred to as a hydrotest) inspection was conducted to assess the safety and structural integrity of the boiler. Sufficient time was allocated to allow the factory to prepare for the final inspection stage, which involved a functional test inspection. This stage required the boiler to be operational to enable the inspection team to verify the functionality of different safety circuits.

From the inspection observations –

BB 7446, BB 7447, BB 7448, BB 9864, BB 10205, BB 11743, BB 6336, BB 13066, BB 3452, BB 14856, and BB 15346 are in operable condition, but a few issues - outlined in this report, are to be addressed in a timely manner.

Boiler Registration Number	**External visual inspection**	**Internal & Hydrotest inspection**		**Functional test inspection**	
	Date	Date	Remarks	Date	Remarks
BB 7446	8-Jun-22	23-Nov-23	Satisfactory	18-Mar-24	
BB 6336	8-Jun-22	12-Feb-24	On 12-Feb-24, the hydro test was not satisfactory due to pressure part leakage. After the pressure part repair and verification from CIoB, another hydrotest was attempted on 23-Apr-26 and the inspection was satisfactory.	21-May-26	
		23-Apr-26			
BB 13066	23-Nov-23	15-Feb-24	Satisfactory	1-Apr-24	
BB 11743	8-Jun-22	19-Feb-23	Satisfactory	25-Mar-23	
BB 7448	8-Jun-22	22-Feb-24	Satisfactory	21-Mar-24	

BB 10205	8-Jun-22	4-Mar-24 8-Mar-24	On 4-Mar-24, the hydrotest inspection was not completed due to pressure part leakage found in end plate. So, another hydrotest was attempted on 8-Mar-24 and the inspection was satisfactory.	21-Mar-24	
BB 3452	8-Jun-22	11-Mar-24	Satisfactory	1-Apr-24	
BB 9864	8-Jun-22	14-Mar-24	Satisfactory	18-Mar-24	
BB 7447	8-Jun-22	29-Apr-24	Satisfactory	8-May-24	
BB 11258	8-Jun-22	26-Feb-25 15-Apr-26	On 26-Feb-25, the internal inspection was not satisfactory and hydrotest was not attempted due to heavy scales on waterside. Later, the office of the Chief Inspector of Boilers cancelled the registration of this boiler due to extensive damage of boiler components and hence not safe for operation on 13-Jan-26.		
BB 14856	26-Feb-25	4-May-25	Satisfactory	15-Apr-26	
BB 15346	15-Apr-26	14-May-26	Satisfactory	21-May-26	

LIMITATIONS

The information in this boiler safety inspection report was obtained during a factory visit and discussion with local factory management. Services performed by the inspectors are conducted in a manner consistent with the level of care and skill generally exercised by members of the engineering and auditing profession. However, an effort has been made to discover all meaningful areas within the stipulated time.

In evaluating the subject site, the inspector relies on good faith in the information provided by factory management or employees. The Inspector assumes that the information provided is factual, accurate and accepts no responsibility for any deficiency, misstatement or inaccuracies contained in this report as a result of omission or misrepresentation of any person interviewed or contacted.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations, as stated in this report, will eliminate all risks or exposures not referred to in this report. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from the obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

Unless the RMG Sustainability Council (RSC) provides express prior written consent, no part of this document may be reproduced, distributed, or communicated to any third party.

1. EXTERNAL VISUAL INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
8-Jun-22	BB 7446, BB 7447, BB 7448, BB 9864, BB 3452, BB 6336, BB 10205, BB 11258, BB 11743	S.M. Faysal Ahmed
23-Nov-23	BB 13066	Md. Tanvir Siraj Md. Asfaquzzaman
26-Feb-25	BB 14856	Arif Ahamed Mithun
15-Apr-26	BB 15346	Shapath Guha Ankur

Reviewed by : Arif Ahamed Mithun

Approved by : Md. Mehedi Hasan

FINDINGS AND RECOMMENDATIONS

The table below summarizes the identified boiler safety hazards during this inspection. Recommendations have been provided for each finding.

FINDING NO:	B-1
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 7446
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-2
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 7447
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-3
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 7448
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-4
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 9864
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-5
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 10205
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-6
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 11258
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-7
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 11743
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-8
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 6336
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-9
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 13066
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-10
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 7446
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.	
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-11	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 7447	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-12	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 7448	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-13	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 9864	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-14	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 10205	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-15	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 11258	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-16	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 11743	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-17	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 6336	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-18	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 13066	
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.		
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-19	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 7446	
FINDING: Necessary technical documents (manufacturing calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, operation and maintenance manual, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-20	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 7447	
FINDING: Necessary technical documents (manufacturing calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, operation and maintenance manual, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-21	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 7448	
FINDING: Necessary technical documents (manufacturing calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, operation and maintenance manual, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-22
CATEGORY:	Documentation
BOILER REGISTRATION NO:	BB 9864
FINDING: Necessary technical documents (manufacturing calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, operation and maintenance manual, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.	
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-23
CATEGORY:	Documentation
BOILER REGISTRATION NO:	BB 6336
FINDING: Necessary technical documents (manufacturing calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, operation and maintenance manual, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.	
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-24	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 13066	
FINDING: Necessary technical documents (manufacturing calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, operation and maintenance manual, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-25
CATEGORY:	Safety Valve
BOILER REGISTRATION NO:	BB 7447
FINDING: Boiler Safety Valve outlet line is not directed outside of the boiler room.	
RECOMMENDATION: Boiler Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-26
CATEGORY:	Safety Valve
BOILER REGISTRATION NO:	BB 7447
FINDING: Boiler Steam Header Safety Valve outlet line is not directed outside of the boiler room.	
RECOMMENDATION: Boiler Steam Header Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-27	
CATEGORY:	Safety Valve	
BOILER REGISTRATION NO:	BB 9864	
FINDING: Boiler Safety Valve outlet line is not directed outside of the boiler room.		
RECOMMENDATION: Boiler Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-28	
CATEGORY:	Safety Valve	
BOILER REGISTRATION NO:	BB 9864	
FINDING: Boiler Steam Header Safety Valve outlet line is not directed outside of the boiler room.		
RECOMMENDATION: Boiler Steam Header Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-29	
CATEGORY:	Safety Valve	
BOILER REGISTRATION NO:	BB 11258	
FINDING: Boiler Safety Valve outlet line is not directed outside of the boiler room.		
RECOMMENDATION: Boiler Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-30	
CATEGORY:	Safety Valve	
BOILER REGISTRATION NO:	BB 11258	
FINDING: Boiler Steam Header Safety Valve outlet line is not directed outside of the boiler room.		
RECOMMENDATION: Boiler Steam Header Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-31	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 7446	
FINDING: Nameplates for feed pump and safety valve were illegible.		
RECOMMENDATION: Name plates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-32	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 7447	
FINDING: Nameplates for feed pump and safety valve were illegible.		
RECOMMENDATION: Name plates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-33	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 7448	
FINDING: Nameplates for feed pump and safety valve were illegible.		
RECOMMENDATION: Name plates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-34	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 9864	
FINDING: Nameplates for feed pump and safety valve were illegible.		
RECOMMENDATION: Name plates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-35	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 11258	
FINDING: Nameplates for feed pump and safety valve were illegible.		
RECOMMENDATION: Name plates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-36	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 6336	
FINDING: Nameplates for feed pump and safety valve were illegible.		
RECOMMENDATION: Name plates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-37	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 7446	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-38	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 7447	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-39	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 7448	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-40	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 9864	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-41	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 10205	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-42	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 11258	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-43	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 11743	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-44	
CATEGORY:	Steam Distribution Network	
BOILER REGISTRATION NO:	BB 6336	
FINDING: Unused steam line connection was not terminated properly.		
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

FINDING NO:	B-45
CATEGORY:	Steam Distribution Network
BOILER REGISTRATION NO:	BB 13066
FINDING: Unused steam line connection was not terminated properly.	
RECOMMENDATION: Any unused & unprotective steam line shall be terminated in an appropriate manner that does not create any possibility of burn hazard for the operator(s).	
PRIORITY:	P1
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-46
CATEGORY:	Support and Access
BOILER REGISTRATION NO:	BB 7446
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.	
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-47	
CATEGORY:	Support and Access	
BOILER REGISTRATION NO:	BB 7447	
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.		
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

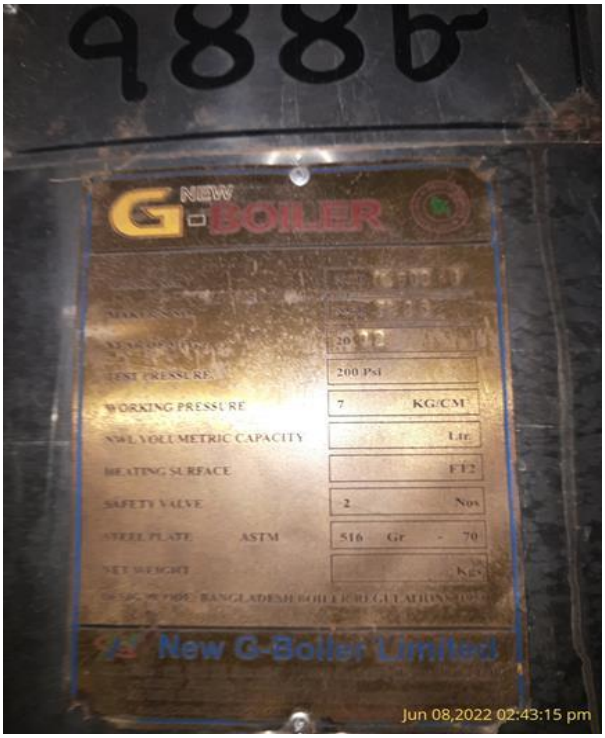
FINDING NO:	B-48	
CATEGORY:	Support and Access	
BOILER REGISTRATION NO:	BB 7448	
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.		
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-49
CATEGORY:	Support and Access
BOILER REGISTRATION NO:	BB 9864
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.	
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-50
CATEGORY:	Support and Access
BOILER REGISTRATION NO:	BB 11743
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.	
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-51	
CATEGORY:	Support and Access	
BOILER REGISTRATION NO:	BB 6336	
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.		
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-52	
CATEGORY:	Support and Access	
BOILER REGISTRATION NO:	BB 13066	
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.		
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-53	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 7446	
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding manufacturing year.		
RECOMMENDATION: Information provided in the nameplate and in the CIoB provided certificate shall be consistent. Any alteration shall be approved from the CIoB and a copy to be preserved on site.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-54
CATEGORY:	Identification
BOILER REGISTRATION NO:	BB 7447
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding manufacturing year.	
RECOMMENDATION: Information provided in the nameplate and in the CIoB provided certificate shall be consistent. Any alteration shall be approved from the CIoB and a copy to be preserved on site.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-55	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 7448	
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding manufacturing year.		
RECOMMENDATION: Information provided in the nameplate and in the CIoB provided certificate shall be consistent. Any alteration shall be approved from the CIoB and a copy to be preserved on site.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-56	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 9864	
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding manufacturing year.		
RECOMMENDATION: Information provided in the nameplate and in the CIoB provided certificate shall be consistent. Any alteration shall be approved from the CIoB and a copy to be preserved on site.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-57	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 11743	
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding manufacturing year.		
RECOMMENDATION: Information provided in the nameplate and in the CIoB provided certificate shall be consistent. Any alteration shall be approved from the CIoB and a copy to be preserved on site.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-58	
CATEGORY:	Identification	
BOILER REGISTRATION NO:	BB 6336	
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding manufacturing year.		
RECOMMENDATION: Information provided in the nameplate and in the CIoB provided certificate shall be consistent. Any alteration shall be approved from the CIoB and a copy to be preserved on site.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-59
CATEGORY:	Fuel System
BOILER REGISTRATION NO:	BB 11743
FINDING: Fuel line connection was not terminated properly.	
RECOMMENDATION: Any fuel line openings in boiler room shall be diverted outside of the boiler room or sealed off with a bond plug/blind flange to prevent fuel leakage.	
PRIORITY:	P1
REMEDIATION TIME FRAME:	2 WEEKS

FINDING NO:	B-60
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 7446
FINDING: Visual flame monitoring glass was out of order.	
RECOMMENDATION: The visual flame monitoring glass shall be replaced with an appropriate one.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

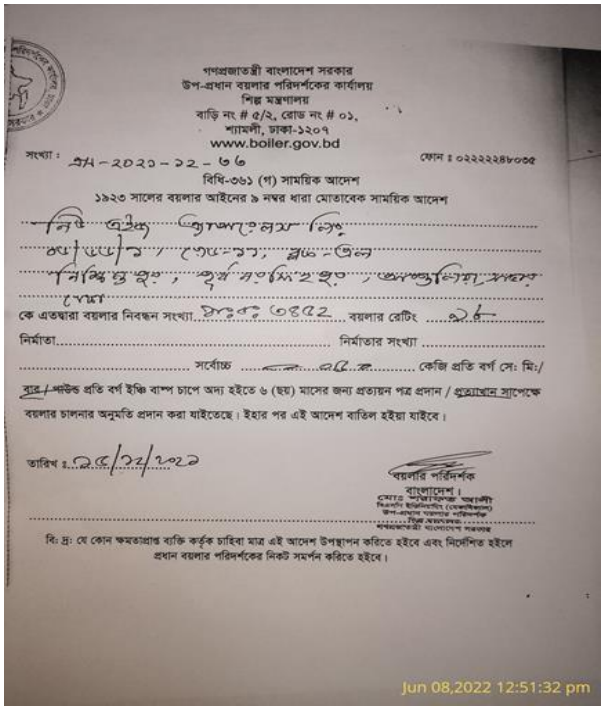
FINDING NO:	B-61	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 7447	
FINDING: Visual flame monitoring glass was out of order.		
RECOMMENDATION: The visual flame monitoring glass shall be replaced with an appropriate one.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-62	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 7448	
FINDING: Visual flame monitoring glass was out of order.		
RECOMMENDATION: The visual flame monitoring glass shall be replaced with an appropriate one.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-63
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 9864
FINDING: Visual flame monitoring glass was out of order.	
RECOMMENDATION: The visual flame monitoring glass shall be replaced with an appropriate one.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-64
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 6336
FINDING: Visual flame monitoring glass was out of order.	
RECOMMENDATION: The visual flame monitoring glass shall be replaced with an appropriate one.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-65
CATEGORY:	Documentation
BOILER REGISTRATION NO:	BB 6336
FINDING: Boiler's initial registration certificate was not available on-site during the inspection.	
RECOMMENDATION: Boiler registration certificate from the government authority which was provided after the installation shall be available on-site during the inspection.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS


গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপ-প্রধান বয়লার পরিদর্শকের কার্যালয়
শিল্প মন্ত্রণালয়
বাড়ি নং # ৫/২, রোড নং # ০১,
শ্যামলী, ঢাকা-১২০৭
www.boiler.gov.bd

সংখ্যা : ৯৭-২০২১-১২-৩৬ ফোন : ০২২২২২৪৮০৩৫

বিধি-৩৬১ (গ) সাময়িক আদেশ

১৯২৩ সালের বয়লার আইনের ৯ নম্বর ধারা মোতাবেক সাময়িক আদেশ

কে এতদ্বারা বয়লার নিবন্ধন সংখ্যা ... বয়লার রেটিং ...

নির্মাতা ... নির্মাতার সংখ্যা ...

... সর্বোচ্চ ... কেজি প্রতি বর্গ সে: মি:/

বয়লার চালনার অনুমতি প্রদান করা যাইতেছে। ইহার পর এই আদেশ বাতিল হইয়া যাইবে।

তারিখ : ১৫/১২/২০২১

বয়লার পরিদর্শক
বাংলাদেশ।

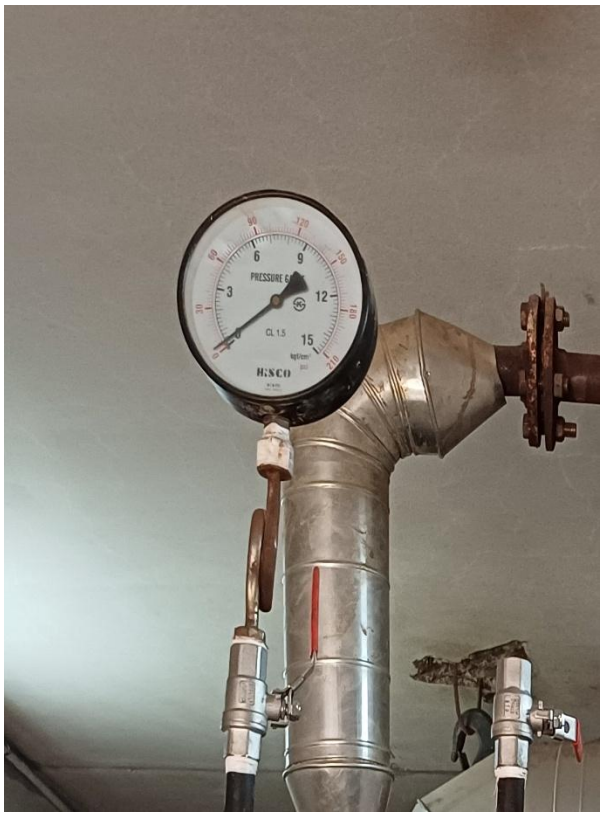
বি: দ্র: যে কোন ক্ষমতাপ্রাপ্ত ব্যক্তি কর্তৃক চাহিবা মাত্র এই আদেশ উপস্থাপন করিতে হইবে এবং নির্দেশিত হইলে প্রধান বয়লার পরিদর্শকের নিকট সমর্পন করিতে হইবে।

Jun 08,2022 12:51:32 pm

FINDING NO:	B-66
CATEGORY:	Thermal Insulation
BOILER REGISTRATION NO:	BB 9864
FINDING: Boiler steam header and steam pipeline were found with improper insulation posing burn hazard.	
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided to avoid burn hazard.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-67
CATEGORY:	Support and Access
BOILER REGISTRATION NO:	BB 11743
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.	
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-68
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 13066
FINDING: The steam pressure gauge range was insufficient.	
RECOMMENDATION: The boiler pressure gauge range should be at least twice the boiler's maximum allowable working pressure mentioned in the boiler license or in accordance with any recognized international standard.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH



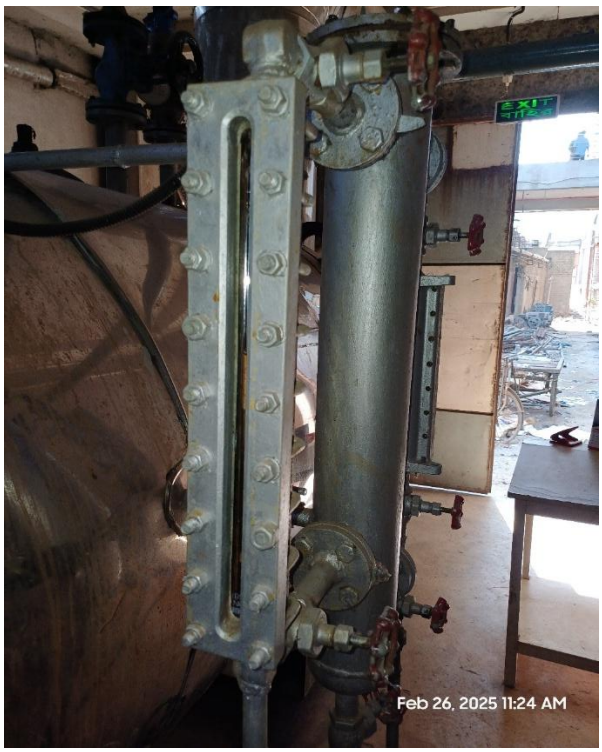
FINDING NO:	B-69	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 11743	
FINDING: Necessary technical documents (Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-70
CATEGORY:	Documentation
BOILER REGISTRATION NO:	BB 10205
FINDING: Necessary technical documents (except maintenance logbook & flue gas analysis report) were not available to verify boiler design and operation parameters.	
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-71	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 11258	
FINDING: Necessary technical documents (except maintenance logbook & flue gas analysis report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-72
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 14856
FINDING: No emergency stop push switch was available on the boiler control panel.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

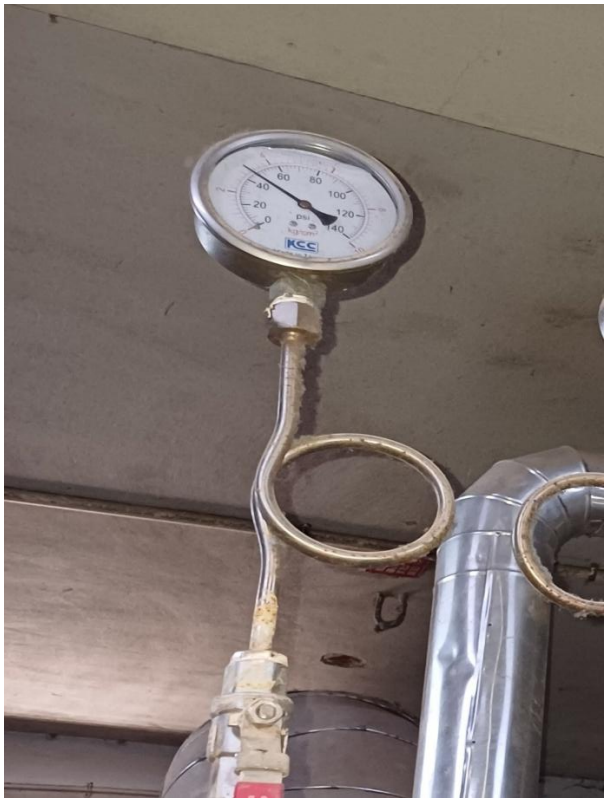
FINDING NO:	B-73
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 14856
FINDING: Low Low Water Level (LLWL) was not marked properly on water level gauge glass system.	
RECOMMENDATION: The Low Low Water Level (LLWL) should be marked beside the gauge glass on a separate arrangement so that the water level can be visualized and identified clearly.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS



FINDING NO:	B-74
CATEGORY:	Support and Access
BOILER REGISTRATION NO:	BB 14856
FINDING: A boiler with a height of 8 feet or more was observed with an inadequate platform, ladder, and handrail, making it inaccessible.	
RECOMMENDATION: An operation, maintenance, and inspection platform with a minimum width of 2.5 feet, a railing with a minimum height of 3.5 feet, and a ladder - that does not pose fall hazard - should be provided.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-75
CATEGORY:	Identification
BOILER REGISTRATION NO:	BB 14856
FINDING: The boiler manufacturer's nameplate was not available on the boiler.	
RECOMMENDATION: The boiler manufacturer's nameplate shall be available on the boiler with accurate technical information and boiler manufacturer's name in standard language.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

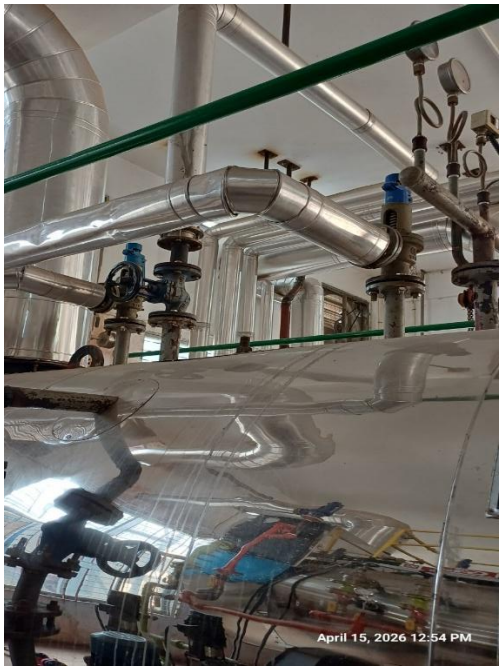
FINDING NO:	B-76
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 14856
FINDING: The steam pressure gauge range was insufficient.	
RECOMMENDATION: The boiler pressure gauge range should be at least twice the boiler's maximum allowable working pressure mentioned in the boiler license or in accordance with any recognized international standard.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH



FINDING NO:	B-77
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 14856
FINDING: Valves were observed between the boiler and the pressure controller.	
RECOMMENDATION: The measuring and sensing devices related to boiler safety shall be mounted directly with the boiler without any valves in between.	
PRIORITY:	P1
REMEDIATION TIME FRAME:	2 WEEKS

FINDING NO:	B-78	
CATEGORY:	Documentation	
BOILER REGISTRATION NO:	BB 14856	
FINDING: Necessary technical documents (Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational logbook, water treatment design & calculation and water treatment report) were not available to verify boiler design and operation parameters.		
RECOMMENDATION: Documentation including manufacturing drawings & calculations, Piping & Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories & feed water pump, boiler operational & maintenance logbook, operation and maintenance manual, water treatment design & calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of boiler.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-79	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 14856	
FINDING: Inconsistent values were observed between steam pressure gauges.		
RECOMMENDATION: Appropriate pressure gauge(s) shall be provided according to Bangladesh Boiler Regulation (BBR)/manufacturing standard/any standard recognized by the CIoB with consistent functionality.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-80	
CATEGORY:	Safety Valve	
BOILER REGISTRATION NO:	BB 14856	
FINDING: Drainage arrangement was not installed or installed in an inadequate manner for one or more safety valves.		
RECOMMENDATION: Drainage arrangement must be installed for all safety valves as per manufacturer published guideline or at the lowest point of outlet line.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

FINDING NO:	B-81
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 14856
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-82
CATEGORY:	Thermal Insulation
BOILER REGISTRATION NO:	BB 14856
FINDING: Boiler body was found with improper insulation posing burn hazard.	
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided to avoid burn hazard.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-83
CATEGORY:	Air Vent
BOILER REGISTRATION NO:	BB 14856
FINDING: The boiler air vent line was not directed to the outside of the boiler room.	
RECOMMENDATION: The boiler vent line should be directed outside of the boiler room with proper support.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-84
CATEGORY:	Identification
BOILER REGISTRATION NO:	BB 14856
FINDING: Nameplate for one of the feed pumps was illegible.	
RECOMMENDATION: Nameplates shall permanently be fixed on the equipment and clearly readable. Manufacturer's technical documents regarding the equipment shall be provided.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-85
CATEGORY:	Documentation
BOILER REGISTRATION NO:	BB 15346
FINDING: Necessary technical documents (except Piping and Instrumentation diagram) were not available to verify boiler design and operation parameters.	
RECOMMENDATION: Documentation including manufacturing drawings and calculations, Piping and Instrumentation diagram, electrical wiring diagram, commissioning documents, data sheets of mountings, accessories and feed water pump, boiler operational and maintenance logbook, operation and maintenance manual, water treatment design and calculation, flue gas analysis report and water treatment report shall be available to verify the present condition of the boiler.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-86
CATEGORY:	Electrical Wiring System
BOILER REGISTRATION NO:	BB 15346
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-87
CATEGORY:	Safety Valve
BOILER REGISTRATION NO:	BB 15346
FINDING: Drainage arrangement was not installed or installed in an inadequate manner for one or more safety valves.	
RECOMMENDATION: Drainage arrangement must be installed for all safety valves as per manufacturer published guideline or at the lowest point of outlet line.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-88
CATEGORY:	Air Vent
BOILER REGISTRATION NO:	BB 15346
FINDING: The boiler air vent line was not directed to the outside of the boiler room.	
RECOMMENDATION: The boiler vent line should be directed outside of the boiler room with proper support.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-89
CATEGORY:	Thermal Insulation
BOILER REGISTRATION NO:	BB 15346
FINDING: Boiler steam header and steam pipeline were found with improper insulation posing burn hazard.	
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided to avoid burn hazard.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-90
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 15346
FINDING: A valve was observed between the boiler and the pressure controller.	
RECOMMENDATION: The measuring and sensing devices related to boiler safety shall be mounted directly with the boiler without any valves in between.	
PRIORITY:	P1
REMEDIATION TIME FRAME:	2 WEEKS

FINDING NO:	B-91
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 15346
FINDING: The control panel cabinet does not specify the names of all boiler interlock alarm functions.	
RECOMMENDATION: Names of boiler interlock alarm functions should be specified on the cabinet.	
PRIORITY:	P4
REMEDIATION TIME FRAME:	3 MONTHS

FINDING NO:	B-92
CATEGORY:	Monitoring and Control System
BOILER REGISTRATION NO:	BB 6336
FINDING: Visual flame monitoring system was not easily accessible for regular monitoring.	
RECOMMENDATION: A visual flame monitoring system is required to be installed for regular monitoring.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

2. INTERNAL INSPECTION & HYDROSTATIC PRESSURE TEST INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
23-Nov-23	BB 7446	Md. Tanvir Siraj Md. Asfaquzzaman
12-Feb-24	BB 6336	Md. Minhajul Islam
15-Feb-24	BB 13066	Md. Tanvir Siraj Md. Mahfuzul Kabir
19-Feb-24	BB 11743	Md. Sohidul Islam Md. Tanvin Maksud
22-Feb-24	BB 7448	Md. Foysal Ahmed Md. Tanvin Maksud
4-Mar-24	BB 10205	Kazi Sefat-E-Nur Syed Salman Saeed Md. Tanvin Maksud
8-Mar-24	BB 10205	Md. Mehedi Hasan Md. Mahfuzul Kabir Abdullah Bin Mostafa
11-Mar-24	BB 3452	Md. Asfaquzzaman
14-Mar-24	BB 9864	Md. Tanvin Maksud Md. Almas Hossain Polash
29-Apr-24	BB 7447	Md. Asfaquzzaman Abdullah Bin Mostafa
26-Feb-25	BB 11258	Arif Ahamed Mithun
4-May-25	BB 14856	Md. Tanvir Siraj
23-Apr-26	BB 6336	Md. Asfaquzzaman
14-May-26	BB 15346	Md. Tanvin Maksud

Reviewed by	:	Arif Ahamed Mithun
Approved by	:	Md. Mehedi Hasan

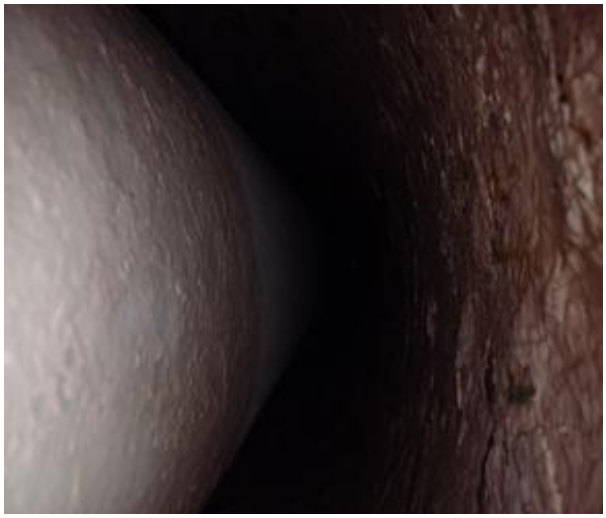
FINDINGS AND RECOMMENDATIONS

The table below summarizes the identified boiler safety hazards during this inspection. Recommendations have been provided for each finding.

FINDING NO:	B-93
CATEGORY:	Scales and Deposits
BOILER REGISTRATION NO:	BB 7446
FINDING: Salt and scale formation was observed on the waterside of the boiler.	
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-94
CATEGORY:	Scales and Deposits
BOILER REGISTRATION NO:	BB 11743
FINDING: Salt and scale formation was observed on the waterside of the boiler.	
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-95
CATEGORY:	Scales and Deposits
BOILER REGISTRATION NO:	BB 7448
FINDING: Salt and scale formation was observed on the waterside of the boiler.	
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

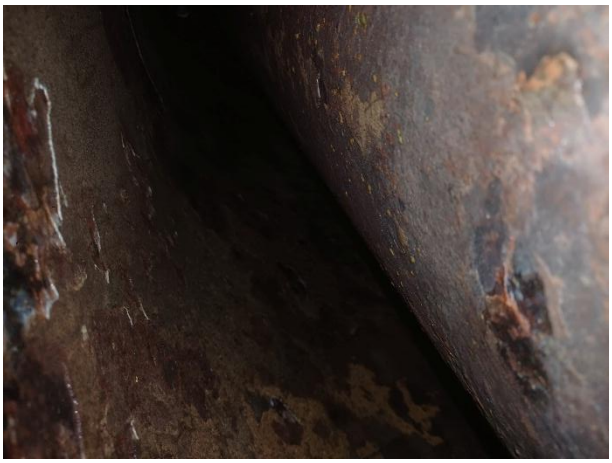


FINDING NO:	B-96
CATEGORY:	Boiler Pressure Parts
BOILER REGISTRATION NO:	BB 13066
FINDING: The inside of the boiler was found corroded due to inadequate water treatment.	
RECOMMENDATION: Feed water must be externally or internally treated. The boiler operator should blow down regularly as per the manufacturer's recommendation. Rapid boiling should be avoided. Shell and end plate thicknesses must be within the allowable limit specified by the manufacturer.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

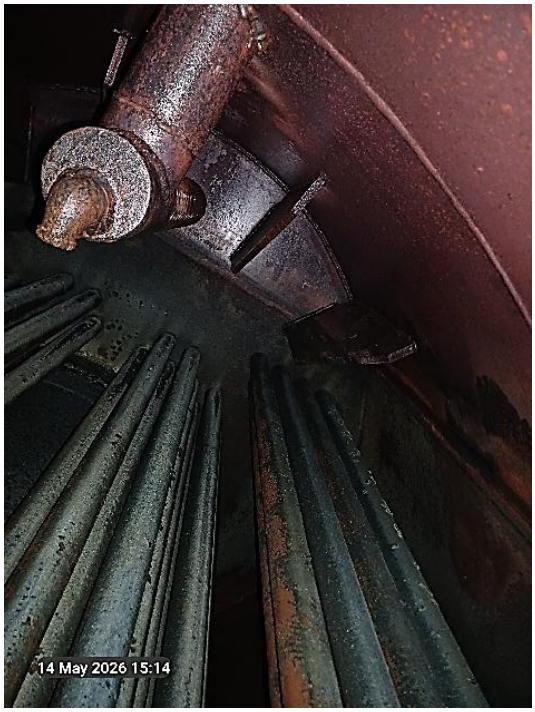
FINDING NO:	B-97
CATEGORY:	Boiler Pressure Parts
BOILER REGISTRATION NO:	BB 11743
FINDING: The inside of the boiler was found corroded due to inadequate water treatment.	
RECOMMENDATION: Feed water must be externally or internally treated. The boiler operator should blow down regularly as per the manufacturer's recommendation. Rapid boiling should be avoided. Shell and end plate thicknesses must be within the allowable limit specified by the manufacturer.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-98
CATEGORY:	Burner
BOILER REGISTRATION NO:	BB 11743
FINDING: The refractory lining near the burner was damaged.	
RECOMMENDATION: The lining should be repaired according to the manufacturer's guideline.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	3 MONTHS

FINDING NO:	B-99
CATEGORY:	Scales and Deposits
BOILER REGISTRATION NO:	BB 6336
FINDING: Salt and scale formation was observed on the waterside of the boiler.	
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH



FINDING NO:	B-100
CATEGORY:	Scales and Deposits
BOILER REGISTRATION NO:	BB 15346
FINDING: Salt and scale formation was observed on the water side of the boiler (Furness tube, end plate, and the bottom end plate). Nature of scale is thin (1 mm).	
RECOMMENDATION: Cleaning is required. A water treatment station is to be used. Feed and boiler water quality and conditioning should be verified and monitored. The boiler operator should operate the boiler with proper blowdown.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH



FINDING NO:	B-101	
CATEGORY:	Scales and Deposits	
BOILER REGISTRATION NO:	BB 15346	
FINDING: Carbon deposition was found in the smoke tubes & furnace chamber.		
RECOMMENDATION: The furnace and inside of the fire tubes should be cleaned periodically to prevent excessive soot build-up. The fuel burner should be adjusted according to the manufacturer's guidelines.		
PRIORITY:	P3	
REMEDIATION TIME FRAME:	2 MONTHS	

3. FUNCTIONAL TEST INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
18-Mar-24	BB 9864, BB 7446	Kazi Sefat-E-Nur
21-Mar-24	BB 7448, BB 10205	Kazi Sefat-E-Nur Md. Mahfuzul Kabir
25-Mar-24	BB 11743	Md. Mahfuzul Kabir
1-Apr-24	BB 3452, BB 13066	Kazi Sefat-E-Nur
8-May-24	BB 7447	Md Kamrul Hasan Chowdhury Ahmad Hossain Khokon
15-Apr-26	BB 14856	Shapath Guha Ankur
21-May-26	BB 6336, BB 15346	Md. Humayun Kabir Tipu

Reviewed by : Arif Ahamed Mithun

Approved by : Md. Mehedi Hasan

FINDINGS AND RECOMMENDATIONS

The table below summarizes the identified boiler safety hazards during this inspection. Recommendations have been provided for each finding.

FINDING NO:	B-102	
CATEGORY:	Monitoring and Control System	
BOILER REGISTRATION NO:	BB 10205	
FINDING: There was no Low Low Water (LLWL) level trip with an interlock for the boiler.		
RECOMMENDATION: The Low Low Water (LLW) level tripping mechanism should be functional.		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	