BOILER SAFETY REPORT

N R Knitting Mills Limited.

Factory ID: 9897

Address: Enayetnagar, Bholail, Fatullah, Narayangonj

GPS Coordinates: 23.619074, 90.478699

Factory List	:	N R Knitting Mills Limited. (9897) NRG Knit Composite (Unit -1) (23565) NRG Knit Composite (9359) Rahimaaziz Knitspin Ltd (9677)
Number of Boilers	:	13
Boiler Registration Numbers	:	BB 10244, BB 10245, BB 10246, BB 10247, BB 10248, BB 7645, BB 4048, BB 9018, BB 9019, BB 9022, BB 12459, BB 13507, BB 14495

RSC RMG SUSTAINABILITY COUNCIL

EXECUTIVE SUMMARY

A comprehensive boiler safety inspection of the factory – **N R Knitting Mills Limited. (9897)** was conducted by the RMG Sustainability Council, covering 13 boilers bearing the registration numbers – BB 10244, BB 10245, BB 10246, BB 10247, BB 10248, BB 7645, BB 4048, BB 9018, BB 9019, BB 9022, BB 12459, BB 13507, and BB 14495. 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 4048, BB 9018, BB 9019, BB 9022, BB 12459, BB 13507, and BB 14495 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 10244	10-Jan-22	The Office of the Chief Inspector of Boilers (CIoB) acknowledged the temporary shutdown application for this boiler on 20-Dec-22.			
BB 10245	10-Jan-22	The Office of the Chief Inspector of Boilers (CIoB) acknowledged the temporary shutdown application for this boiler on 20-Dec-22.			
BB 10246	10-Jan-22	The Office of the Chief Inspector of Boilers (CIoB) acknowledged the temporary shutdown application for this boiler on 20-Dec-22.			
BB 10247	10-Jan-22	The Office of the Chief Inspector of Boilers (CIoB) acknowledged the temporary shutdown application for this boiler on 20-Dec-22.			
BB 10248	10-Jan-22	The Office of the Chief Inspector of Boilers (CIoB) acknowledged the temporary shutdown application for this boiler on 20-Dec-22.			
BB 7645	10-Jan-22	The Office of the Chief Inspector of Boilers (CIoB) acknowledged the temporary shutdown application for this boiler on 23-Mar-25.			
BB 4048	10-Jan-22	23-Apr-25	Satisfactory	23-Jul-25	
BB 9018	10-Jan-22	30-Apr-25	Satisfactory	23-Jul-25	On 23-Jul-25, the functional test inspection could not be completed

				8-Sep-25	due to a lack of required gas pressure to run the generator. Another inspection was scheduled on 8-Sep-25 to complete the inspection.
BB 9019	10-Jan-22	11-Mar-25	Satisfactory	10-Jul-25	
BB 9022	10-Jan-22	18-Mar-25	Satisfactory	17-Jul-25	
BB 12459	10-Jan-22	25-Mar-25	Satisfactory	17-Jul-25	On 17-Jul-25, the inspection could not be completed due to shortage of gas supply & the generator could not be made operational. Another inspection was scheduled on 8-Sep-25, but due to damper maintenance issue the inspection could not be completed. Another inspection was scheduled on 9-Apr-26 to complete the inspection.
				8-Sep-25	
				9-Apr-26	
BB 13507	4-Mar-25	30-Apr-25	Satisfactory	23-Jul-25	
BB 14495	4-Mar-25	4-Mar-25	Satisfactory	10-Jul-25	

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 from the obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

In case any critical safety concerns are found that require the RSC to recommend an immediate boiler shutdown, for applicable cases, the RSC will inform the Chief Inspector of Boilers (CIoB) office and collaborate with them on all subsequent steps to remediate the issue(s).

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1. EXTERNAL VISUAL INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
10-Jan-22	BB 10244, BB 10245, BB 10246, BB 10247, BB 10248, BB 7645, BB 4048, BB 9018, BB 9019, BB 9022, BB 12459	Md. Foysal Ahmed A N Faisal Ahmed
4-Mar-25	BB 13507, BB 14495	Faisal Bin Faruk Md. Mahfuzul Kabir

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:	SUPPORT AND ACCESS
BOILER REGISTRATION NO:	BB 7645
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-2
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 7645
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-3
CATEGORY:	SUPPORT AND ACCESS
BOILER REGISTRATION NO:	BB 4048
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-4
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 14495
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-5	
CATEGORY:	ELECTRICAL WIRING SYSTEM	
BOILER REGISTRATION NO:	BB 10244	
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 10245
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 10246	
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 10247	
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 10248	
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:	ELECTRICAL WIRING SYSTEM	
BOILER REGISTRATION NO:	BB 7645	
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-11
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 4048
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room and 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-12
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 9018
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-13	
CATEGORY:	ELECTRICAL WIRING SYSTEM	
BOILER REGISTRATION NO:	BB 9019	
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-14	
CATEGORY:	ELECTRICAL WIRING SYSTEM	
BOILER REGISTRATION NO:	BB 9022	
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-15
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 12459
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-16
CATEGORY:	SAFETY VALVE
BOILER REGISTRATION NO:	BB 9018
FINDING: Boiler Safety Valve outlet line was 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-17	
CATEGORY:	SAFETY VALVE	
BOILER REGISTRATION NO:	BB 9019	
FINDING: Boiler Safety Valve outlet line was 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-18	
CATEGORY:	SAFETY VALVE	
BOILER REGISTRATION NO:	BB 9022	
FINDING: Boiler Safety Valve outlet line was 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-19
CATEGORY:	SAFETY VALVE
BOILER REGISTRATION NO:	BB 12459
FINDING: Boiler Safety Valve outlet line was 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-20
CATEGORY:	THERMAL INSULATION
BOILER REGISTRATION NO:	BB 9018
FINDING: Boiler steam header and steam pipeline were found with improper insulation.	
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-21	
CATEGORY:	THERMAL INSULATION	
BOILER REGISTRATION NO:	BB 9019	
FINDING: Boiler steam header and steam pipeline were found with improper insulation.		
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-22	
CATEGORY:	THERMAL INSULATION	
BOILER REGISTRATION NO:	BB 9022	
FINDING: Boiler steam header and steam pipeline were found with improper insulation.		
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-23	
CATEGORY:	THERMAL INSULATION	
BOILER REGISTRATION NO:	BB 12459	
FINDING: Boiler steam header and steam pipeline were found with improper insulation.		
RECOMMENDATION: Proper insulation to exposed parts of the boiler body and steam distribution pipelines should be provided.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-24	
CATEGORY:	DOCUMENTATION	
BOILER REGISTRATION NO:	BB 4048	
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	

FINDING NO:	B-25
CATEGORY:	DOCUMENTATION
BOILER REGISTRATION NO:	BB 4048
FINDING: Necessary technical documents 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-26
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 4048
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-27
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 13507
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

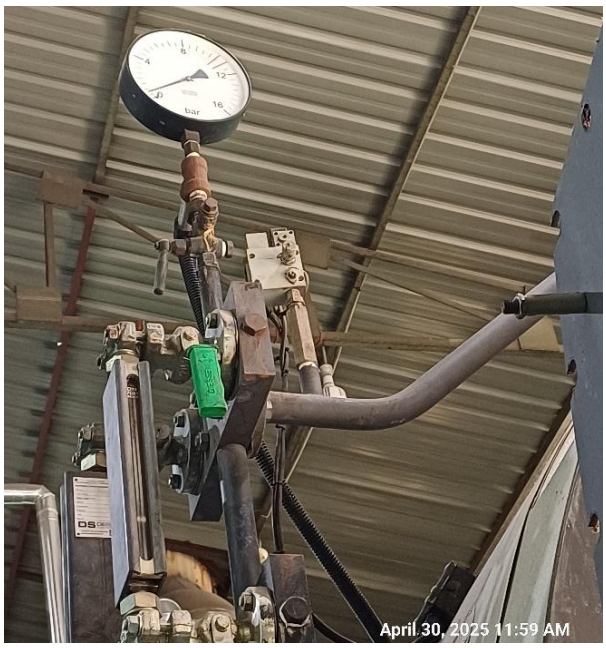
FINDING NO:	B-28
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 13507
FINDING: No emergency stop push switch was available near the entrance outside of the boiler room.	
RECOMMENDATION: Emergency stop push switches must be installed on the boiler control panel and outside the boiler room near every entrance door.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	2 MONTHS

FINDING NO:	B-29
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 14495
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-30
CATEGORY:	SUPPORT AND ACCESS
BOILER REGISTRATION NO:	BB 13507
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-31
CATEGORY:	SUPPORT AND ACCESS
BOILER REGISTRATION NO:	BB 14495
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

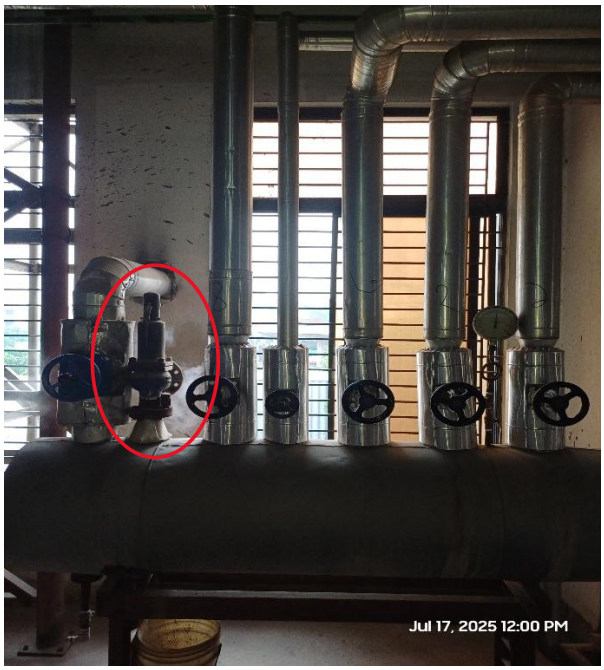
FINDING NO:	B-32
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 13507
FINDING: The steam pressure gauge range was insufficient.	
RECOMMENDATION: The boiler pressure gauge range should be at least twice the boiler's maximum allowable working pressure mentioned in the boiler license or in accordance with any recognized international standard.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH



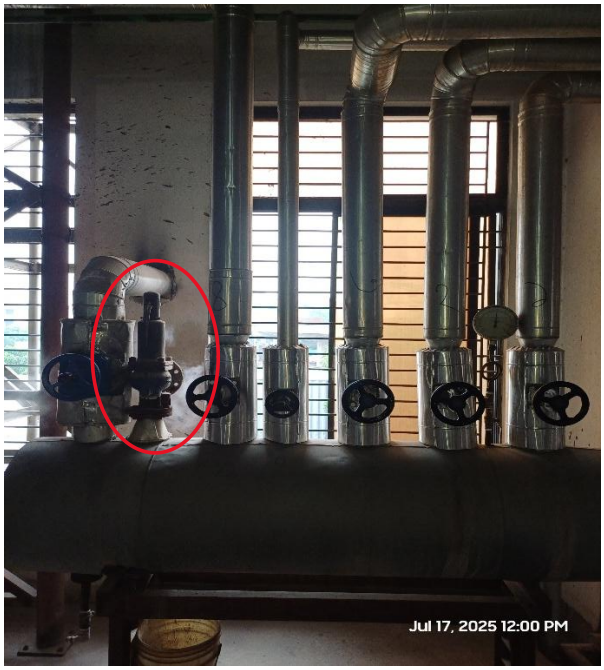
FINDING NO:	B-33
CATEGORY:	SAFETY VALVE
BOILER REGISTRATION NO:	BB 9018
FINDING: Boiler Steam Header Safety Valve outlet line was not directed outside of the boiler room.	
RECOMMENDATION: Boiler Steam Header Safety Valve outlet line should be directed outside of the boiler room with proper support and drainage system.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-34
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 14495
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-35
CATEGORY:	SAFETY VALVE
BOILER REGISTRATION NO:	BB 9022
FINDING: Boiler Steam Header Safety Valve outlet line was 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-36
CATEGORY:	SAFETY VALVE
BOILER REGISTRATION NO:	BB 12459
FINDING: Boiler Steam Header Safety Valve outlet line was 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-37
CATEGORY:	IDENTIFICATION
BOILER REGISTRATION NO:	BB 12459
FINDING: Inconsistency was observed between the nameplate data and the CIoB provided certificate copy for the boiler regarding Boiler Type.	
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

ফরম VI

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
প্রধান বয়লার পরিদর্শকের কার্যালয়

সংখ্যা: নারায়ণগঞ্জ-০৫৮৫-২০২৪-২০২৫-৩০০৭

তারিখ: ০৮/১২/২০২৪

বয়লার ব্যবহারের প্রত্যয়নপত্র
(প্রবিধি: ৩৬৯)

বয়লার নিবন্ধন সংখ্যা: বাঃবাঃ৯০২২

বয়লার প্রকার: হরিজন্টাল ফায়ার টিউব বয়লার

বয়লার রেটিং: ৬০৬ বর্গফুট

নির্মাণের স্থান ও বৎসর: যুক্তরাষ্ট্র, ২০১৪

সর্বোচ্চ একটানা বাষ্পীকরণ:

মালিকের নাম: মোঃ মোখলেছুর রহমান

বয়লারের অবস্থান: এন আর জি নীট কম্পোজিট, এনায়েতনগর, ফতুল্লা, নারায়ণগঞ্জ

মেরামত:

মন্তব্য: তারিখে: কেজি/বর্গ সে.মি. পর্যন্ত জলীয় পরীক্ষাকৃত।

আমি এতদ্বারা প্রত্যয়ন করিতেছি যে, আমি প্রধান বয়লার পরিদর্শকের ১৯২৩ সালের বয়লার আইন এর

৭/৮ ধারা বলে উপরে বর্ণিত সর্বোচ্চ: ১০.৫৫ কেজি/বর্গ সে.মি.

চাপে ০৫/১২/২০২৪ খ্রি: হইতে ০৪/১২/২০২৫ খ্রি: পর্যন্ত চালনার অনুমতি প্রদান করিয়াছি।

সেফটি ভালভের চাপ ১০.৫৫ কেজি/বর্গ সে.মি. অতিক্রম করিবে না।

আমি আরো প্রত্যয়ন করিতেছি যে, প্রধান বাষ্পনল

চাপে তারিখে জলীয় পরীক্ষাকৃত হইয়াছে।

ফি =৫০০০/- টাকা ২৬/১১/২০২৪ খ্রি: তারিখে পরিশোধকৃত।

তারিখে: স্থান:

অদ্য: দিবস: -

প্রকৌঃ মোঃ সাইফুল ইসলাম
বয়লার পরিদর্শক

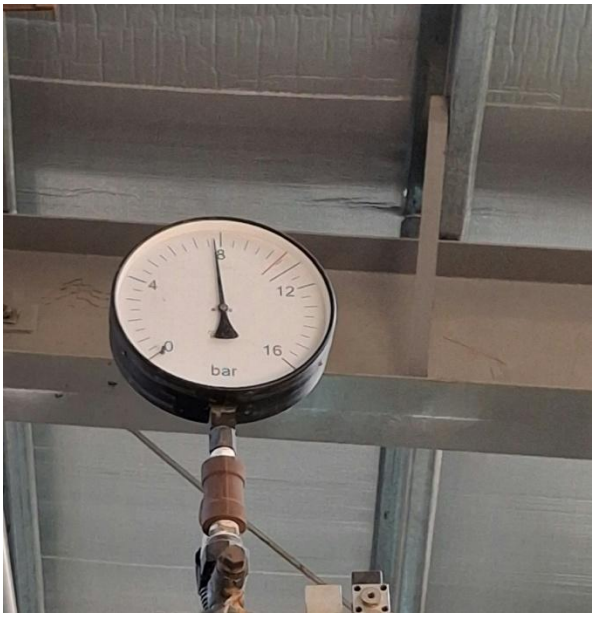
প্রকৌঃ সুরজিত বর্মন
উপ-প্রধান বয়লার পরিদর্শক

প্রকৌঃ মোহাম্মদ আব্দুল মান্নান
প্রধান বয়লার পরিদর্শক

Jul 17, 2025 11:40 AM

FINDING NO:	B-38
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 13507
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-39
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 13507
FINDING: Installed pressure gauge was inadequate in dial size and pressure rating according to manufacturing standard.	
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:	P3
REMEDIATION TIME FRAME:	2 MONTHS



FINDING NO:	B-40
CATEGORY:	SAFETY VALVE
BOILER REGISTRATION NO:	BB 4048
FINDING: Discharge of safety valve was not free from danger of scalding.	
RECOMMENDATION: Safety valve outlet line shall not affect emergency discharge path or discharge of safety valve shall be free from danger of scalding.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-41	
CATEGORY:	BOILER ROOM	
BOILER REGISTRATION NO:	BB 4048	
FINDING: The boiler room was not readily accessible or access to boiler room was obstructed.		
RECOMMENDATION: Access to the boiler room shall be free of any kind of obstacle.		
PRIORITY:	P1	
REMEDIATION TIME FRAME:	2 WEEKS	

2. INTERNAL INSPECTION & HYDROSTATIC PRESSURE TEST INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
4-Mar-25	BB 14495	Faisal Bin Faruk Md. Mahfuzul Kabir
11-Mar-25	BB 9019	Md. Foysal Ahmed Nawaze Mahmud
18-Mar-25	BB 9022	Siam Mahbub Md. Foysal Ahmed
25-Mar-25	BB 12459	Md. Foysal Ahmed Md Kamrul Hasan Chowdhury
23-Apr-25	BB 4048	Md Kamrul Hasan Chowdhury Md. Abu Sayed
30-Apr-25	BB 9018, BB 13507	Syed Salman Saeed Asif Tahmid Md. Almas Hossain Polash

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-42
CATEGORY:	SCALES AND DEPOSITS
BOILER REGISTRATION NO:	BB 12459
FINDING: Salt and scale formation was observed inside the water tube (thin and size 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-43
CATEGORY:	SCALES AND DEPOSITS
BOILER REGISTRATION NO:	BB 13507
FINDING: Salt and scale formation was observed on waterside around several tubes visible from manhole.	
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

3. FUNCTIONAL TEST INSPECTION

Inspection Date	Boiler Registration Number	Author(s)
10-Jul-25	BB 14495, BB 9019	Susanta Roy Chowdhury
17-Jul-25	BB 9022, BB 12459	Arif Ahamed Mithun
23-Jul-25	BB 13507, BB 4048, BB 9018	Faisal Bin Faruk
8-Sep-25	BB 12459, BB 9018	Md. Sohidul Islam
9-Apr-26	BB 12459	Siam Mahbub

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-44
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 14495
FINDING: The Steam Pressure Limiter was not functional.	
RECOMMENDATION: Steam Pressure Limiter shall be kept functional.	
PRIORITY:	P1
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-45
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 9019
FINDING: There was no acoustic or optical alarm when the limiter was activated.	
RECOMMENDATION: An acoustic with optical alarm should be installed.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-46
CATEGORY:	ELECTRICAL WIRING SYSTEM
BOILER REGISTRATION NO:	BB 9022
FINDING: There was no acoustic or optical alarm when the limiter was activated.	
RECOMMENDATION: An acoustic with optical alarm should be installed.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-47
CATEGORY:	MONITORING AND CONTROL SYSTEM
BOILER REGISTRATION NO:	BB 4048
FINDING: The Steam Pressure Limiter was missing.	
RECOMMENDATION: Steam Pressure Limiter should be installed and kept functional.	
PRIORITY:	P1
REMEDIATION TIME FRAME:	1 MONTH

FINDING NO:	B-48	
CATEGORY:	ELECTRICAL WIRING SYSTEM	
BOILER REGISTRATION NO:	BB 9018	
FINDING: There was no acoustic or optical alarm when the limiter was activated.		
RECOMMENDATION: An acoustic with optical alarm should be installed.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	

FINDING NO:	B-49	
CATEGORY:	ELECTRICAL WIRING SYSTEM	
BOILER REGISTRATION NO:	BB 12459	
FINDING: There was no acoustic or optical alarm when the limiter was activated.		
RECOMMENDATION: An acoustic with optical alarm should be installed.		
PRIORITY:	P2	
REMEDIATION TIME FRAME:	1 MONTH	