

● RSC BOILER SAFETY PROGRAMME

Summary of findings of External Visual Inspection at RMG factories in Bangladesh

August 2021

The RMG Sustainability Council (RSC) is committed to deliver a world-class sustainable workplace safety programme which now includes boiler safety. The RSC company signatories are committed to ensure that their supplier factories become safe workplaces and are maintained as such. To this end, the RSC will continue its collaboration with the ILO, Accord and the Government of Bangladesh Chief Inspector of Boilers (CIB), who have been supportive of previous boiler safety inspections.

Boiler safety engineers (BSE) look for evidence of corrosion, leaks and cracks, deposits and plugging, and any other damage, take photos of all damage and potential concerns and discuss all concerns in the written report. They also verify the functional efficacy of operational and safety controls.

The boiler safety findings identified from the factories inspected include the following:

- No Emergency stop button near the entrance of the boiler room.
- Inconsistent information between boiler nameplate and government certificate.
- Boiler safety valve's outlets and common header pressure relief/safety valve's outlet are not directed to outside of the boiler room.
- Indication of 'low low' water level is not identified.
- Incomplete or inexistence of maintenance logbook.
- Incomplete or inexistence of technical data sheets.

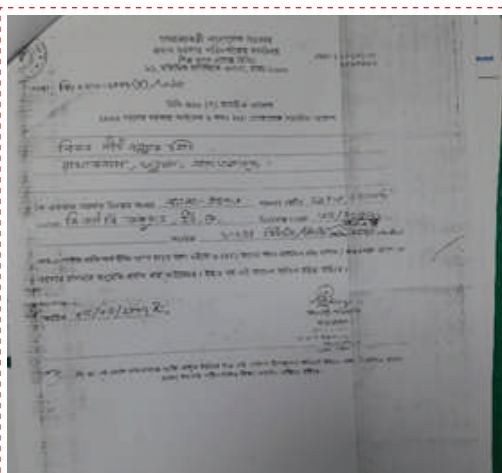
The boiler safety department of the RSC is comprised of 9 engineers currently led by a team leader having experience on boiler operation, maintenance, and troubleshooting. The RSC has negotiated with the TÜV-SÜD, a German based company, for an advanced level boiler safety training for the RSC's boiler safety engineers as a continuation to the previous training programme. In addition, the RSC has also arranged training in a local boiler manufacturing facility for the RSC boiler safety engineers.



Pictures of safety hazards identified during the External Visual Inspection:



No Emergency stop button near the entrance of the boiler room.



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SERIAL NUMBER	35/4049
PRODUCT TYPE	Thermax IV
YEAR OF MANUFACTURE	2006
MAXIMUM ALLOWABLE PRESSURE	11.0 Barg
MAXIMUM ALLOWABLE TEMPERATURE	188 C
HYDRAULIC TEST DATE	23-Jan-06
HYDRAULIC TEST PRESSURE	16.5 Barg
DESIGN STANDARD	BS2790:1992
MAXIMUM HEAT OUTPUT	6400 MW
SAFETY VALVE SET PRESSURE	10.9 Barg

Inconsistent information between boiler certificate and manufacturer nameplate.





Safety valve's outlets are not directed to outside of the boiler room.



Indication of 'low low' water level is not identified.

