

# IRIS Fabrics Ltd.

RMG sector is one of the most important sectors in Bangladesh right now due to its relevance and contribution to the national economy. However, when measured against the other nations that export RMGs, Bangladesh in terms of productivity has still long way to. Production workers' lack of skills and their restricted use of current industrial engineering principles are the main causes of this productivity lag. To tap the full potential of the RMG sector in Bangladesh crucial issues like these need to be addressed at once. That's where PROGRESS (*Promoting Green Growth in the Ready-Made Garments Sector Through Skills*) comes in the picture. PROGRESS, a project by Swisscontact solely aims to abet a competitive, environmentally liable, and all-inclusive RMG sector resulting into better retention rates and increased income due to improved technical skills and productivity especially for women. This shift in skillset and productivity will enable the RMG sector of Bangladesh specifically the Tier-2 and Tier-3 factories to adapt with the evolving needs of the global market in terms of technological advancement and ESG standards.

Being an energy dependent sector, RMG factories are one of the biggest source of environmental emissions due its sizable energy consumption. Aligning with the environmental liability theme of PROGRESS project, CAR (Climate Action Roadmap) is an initiative forefront by Intertek Bangladesh. CAR is an extensive tool for designing an effective and economically viable passage for RMG sector towards net zero emission by 2050.

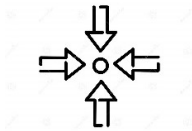
## CLIMATE ACTION ROADMAP



Periodical GHG analysis to take appropriate technological measures to reduce GHG emission gradually and allocate appropriate resource, and investment towards achievement of net zero emission.



Create a thorough plan for RMG factories to reduces GHG emissions by 50% by 2030 and achieves net zero emission by 2050, baselining year 2021.



Aligned with The Greenhouse Gas Protocol, Paris Agreement, UNFCCC- Fashion Industry Charter, and SDG.

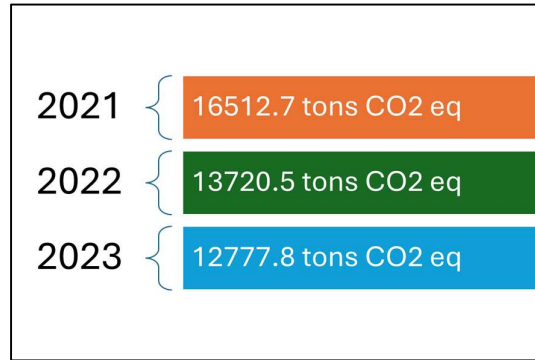
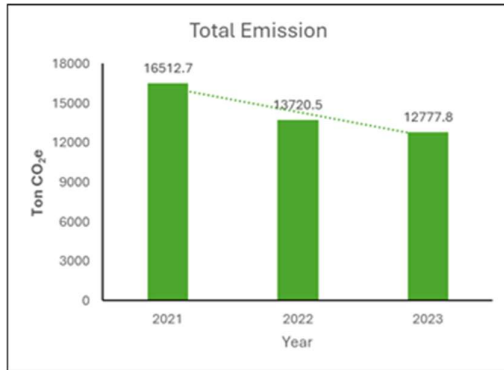


Capacity building for management, staff and workers to provide a comprehensive perspective on CAR. Training on climate change, energy efficiency, renewable energy, and green investment etc. enables the organization to effectively implement the CAR.





Engage community in climate positive activities such as climate awareness program, tree plantation etc.

## OUR PROGRESS IN TERM OF GHG EMISSION REDUCTION



Baseline Year 2021	Intermediate Year 2030	Net Zero Year 2050
16512.7 tons CO <sub>2</sub> eq emission	8,256.4 tons CO <sub>2</sub> eq emission	0 tons CO <sub>2</sub> eq emission

## TARGETS AND STEPS FOR IRIS FABRICS LTD.

 <p><b>Renewable Energy</b></p>	<ul style="list-style-type: none"> <li>• Install 500-kilowatt peak (KWP) Solar Panel</li> <li>• Purchase electricity from renewable sources (i-RECs).</li> <li>• Complete Shift to Renewable Energy by 2040.</li> </ul>
 <p><b>Energy efficiency and conservation</b></p>	<ul style="list-style-type: none"> <li>• Day light use where applicable.</li> <li>• 100% LED.</li> <li>• Replace conventional fan with energy efficient fan.</li> <li>• Install Steam trap valve (G-Traps) in iron.</li> <li>• Install Inverter and replace regular pump.</li> <li>• Boiler Insulation.</li> <li>• Install Exhaust Gas Boiler (EGB).</li> <li>• Install condensate recovery in boiler.</li> <li>• Replacing existing boiler with renewable electric Boiler.</li> <li>• Replace clutch motor with Servo motor.</li> <li>• Installing VFD in Compressor.</li> <li>• Rainwater Harvesting.</li> <li>• Migration to Direct Driven Exhaust Fan.</li> <li>• Installing Inverter Air Conditioning System.</li> <li>• Carbon Credit for Refrigerant GHG Emission.</li> <li>• Shifting to Electric Vehicle.</li> </ul>