

# PTP SUSTAINABILITY SUKUK FRAMEWORK

April 2025



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## 1.0 INTRODUCTION

### 1.1 About PTP

***With an annual capacity of 13,500,000 TEUs, Pelabuhan Tanjung Pelepas (“PTP”) is Malaysia’s most advanced container terminal. Pelabuhan Tanjung Pelepas Sdn Bhd is a joint venture between MMC Port Holdings Sdn Bhd (70%), the largest port operator in Malaysia with seven ports (PTP, Johor Port, Northport, Penang Port, Tanjung Bruas Port, SPT Services and Andaman Port), and APM Terminals B.V. (30%), a subsidiary of a global logistics conglomerate- at land, sea and air, Maersk.***

PTP is located strategically at the confluence of one of the world’s busiest straits, the Melaka Straits. PTP’s strategic location makes it suitable for transshipment activities as it is very close to international shipping routes, offering shipping lines minimal deviation time of 45 minutes to the port. PTP is located on the eastern side of the mouth of Pulau River in South-West Johor and is a naturally sheltered deep water port. The current channel depth allows PTP to receive the berthing of the world’s largest ULCV which could carry up to 23,756 TEUs and which typically requires a draft of up to 18.0 meters. PTP recorded a total volume throughput of 12.25 million TEUs for the financial year of 2024.

PTP currently has 14 berths totalling 5.04 kilometers in linear wharf design. Directly behind the berths is the port’s container yard, which is one of the largest container storage facilities in the region with the capacity to handle up to 252,400 TEUs annually. The terminal is equipped with 57 Super Post Panamax quayside cranes, 24 of which have a 24-box outreach catering for the next generation of Triple E size vessels, and the container yard is serviced by 186 electrified RTGs and 567 PMs which provides ample support for fast terminal operations turnaround.

PTP is well connected to the hinterland and cargo movement from major industrial estates is convenient with PTP’s 5 kilometers access road linking the port to the Malaysia-Singapore Second Link Bridge and the north-south highway. This ensures that the port is connected all the way from the south up to the north of Peninsular Malaysia to the Thailand border. Adding to the port’s land, sea and air infrastructure support, the rail line that runs through PTP is directly linked to the national rail grid which connects Singapore and the southern area of Thailand. The 648 acres free zone land Phases 1 & 2 are located directly behind the port makes it ideal for manufacturing activities and commercial activities such as value adding activities for example, inventory services, cargo consolidation, international procurement centers and regional distribution centers. Phases 3, 4 and 5 which constitute 938 acres, will potentially be developed to expand the current Free Zone development. The free zone area is integrated with the port area, which allows for seamless movement of cargo. Today, the free zone area is home to numerous global companies including regional warehouse operators and international logistics.




PTP’s terminal operations are backed by modern information technology which links all port users. By synergizing all of the port’s operations and communication centers, the information technology

network system enables free-flow of real-time information between shipping lines, forwarders, shipping agents and the port.

For optimal operational efficiency, PTP has employed the most advanced terminal operating system, Navis N4, and productivity applications such as Berth Optimization Engine, Asset Digitization and Real Time Performance Monitoring. Other technological advancement opportunities are in the pipeline with the focus on business intelligence, such as autonomous driving PM and enhancement of Asset Digitalisation.

As a world class port offering state-of-the art facilities to port users, PTP is the international gateway for Southern Malaysia. PTP is located within the 2,200 square kilometers development area of Iskandar Malaysia, one of Malaysia's primary regional economic corridors/growth areas. PTP is integral to the government of Malaysia in the development of Johor as the new regional economic growth area. PTP provides the south of Malaysia with a high level of both national and international accessibility and mobility through its well-developed integrated port and free zone.

The main port services provided by Pelabuhan Tanjung Pelepas Sdn Bhd are as follows:

| Container Handling Services  | Marine Services   | Free Zone & Real Estate   |
|--|---|---|
|  <ul style="list-style-type: none"> <li>• Terminal handling services</li> <li>• State-of-the-art equipment capable of handling ULCVs</li> </ul> |  <ul style="list-style-type: none"> <li>• Towage services</li> <li>• Pilotage services</li> <li>• Ship-to-ship services</li> </ul> |  <ul style="list-style-type: none"> <li>• Lease of land, storage facilities and office space</li> <li>• Diversity of clients: Manufacturing to warehouse operators and freight forwarders</li> </ul> |



## 1.2 Our Vision, Mission and Values

***“Our people lead the GLOBAL benchmark for  
integrated port services from the Straits of Malacca”***



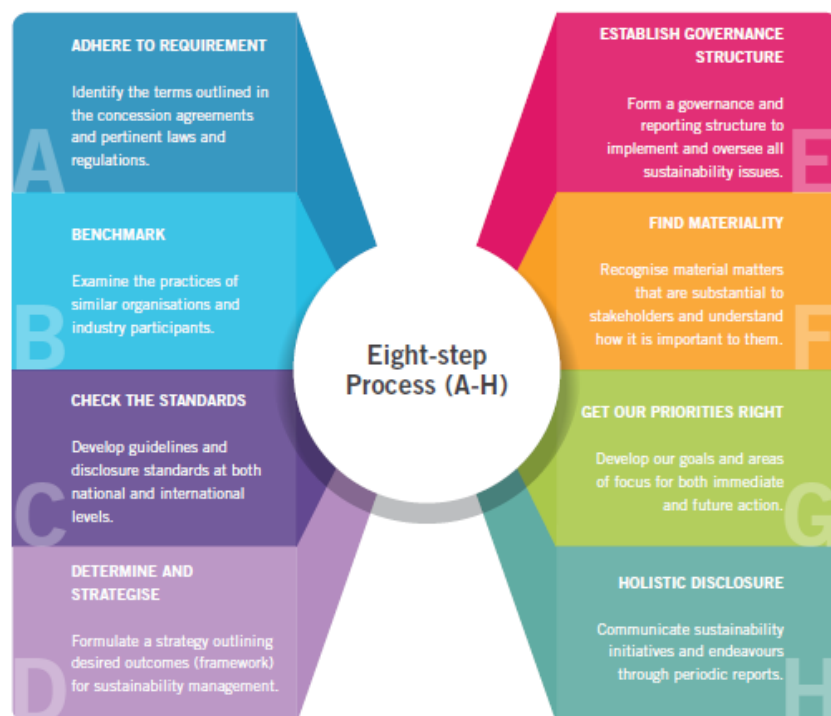
### 1.3 Our Sustainability Approach

***As a port operator, we recognise the impact we can have and the contribution we can make towards building a sustainable future for all. We are committed to embrace sustainability and continuously strive to incorporate sustainable practices across our business. We believe this creates shared values for our stakeholders.***





Driven by a sense of purpose for more than two decades, our efforts in sustainability are built on various initiatives we have put in place to strengthen values and create positive impacts for the people and the planet. Upon the completion of our sustainability framework in 2022, we continued the momentum in 2023 on a journey to transition into one of the world's leading smart green ports. The framework, along with its targets, has guided us in delivering sustainable value by integrating ESG commitments into our core business practices in a comprehensive manner, aligning with the relevant UN SDGs. Few initiatives that PTP will focus on are in areas of Internet of Things (IoT), Artificial Intelligence (AI) and robotics, data analytics and cybersecurity.




Our sustainability approach strategically ensures effective management of opportunities and risks, facilitating long-term value creation. Sustainability is an intrinsic component of our business strategy, supported by various initiatives implemented over the years to drive positive societal and environmental impacts.






We also identified our material sustainability matters and their corresponding initiatives, categorised according to the E, S and G pillars, following the formalisation of our sustainability framework. We are guided by our eight-step process (A-H) as set out below, which prioritises transparency and accountability in all our activities.



In our efforts to foster a sustainable future for all, one of PTP's central missions is to contribute to the UN SDGs. As part of this commitment, the organisation conducted a review in 2022 to prioritise SDGs and establish targets based on their relevance to PTP's operations. The initiative aligns with our action plan towards achieving the 2030 PTP's ESG y Goals, leveraging our capabilities to provide support and recognising the potential impact on PTP and our stakeholders.

| Environmental: Clean Operations for Climate Protection                              |   |
|---|---|
|    | PTP is committed to significantly increasing the use of clean and renewable energy to enhance energy efficiency within the port and its surrounding environment.  |
|    | PTP is set to reduce the impacts of climate change and achieve the Net Zero Goal by 2050 through a comprehensive approach to decarbonisation. This includes electrification of equipment, on-site renewable energy deployment, asset digitalisation, and initiatives for waste and water efficiency management. |
|   | PTP aims to proactively undertake sustainable actions and measures to protect and preserve marine areas, ecosystems and biodiversity within the port vicinity and its surroundings.   |
|  | PTP endeavours to ensure the protection, restoration and sustainable management of terrestrial ecosystems and biodiversity resources.   |

| Social: Benefits for Business and Society   |   |
|---|---|
|  | PTP acknowledges the importance of inclusive and high-quality education by fostering lifelong learning among our employees through ongoing training and development initiatives. We also prioritise the enhancement of educational facilities for children and the community. Furthermore, we create opportunities for the upskilling of youths and adults in various fields. |
|  | PTP is committed to promoting gender equity by empowering women through various initiatives, including providing equal opportunities for women's leadership participation and ensuring fair employment practices. We maintain a zero-tolerance policy towards all forms of discrimination and violence against women.   |
|  | We strive to cultivate a safe, diverse and inclusive workplace to ensure employee satisfaction and motivation. Additionally, we support communities and society through collaborative projects aimed at product development and procurement of community products.  |

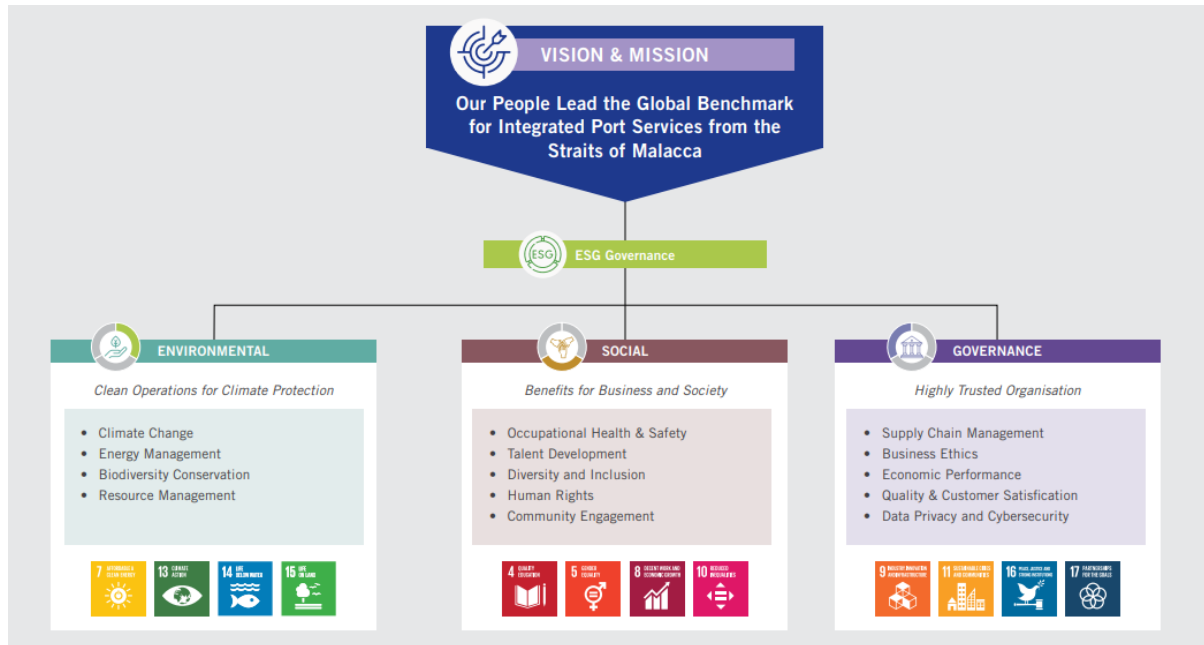
| Social: Benefits for Business and Society   |   |
|---|---|
|    | <p>Across our value chain, PTP promotes equity by adopting policies that uphold fundamental principles of human rights and ethical labour practices. We also facilitate responsible migration and contribute to improving the livelihoods of the communities by enhancing their socioeconomic status.</p> |
| Governance: Highly Trusted Organisation   |   |
|    | <p>PTP prioritises the construction of high-quality and safe infrastructures by efficiently utilising resources and fostering a culture of innovation through technological adoption. This ensures sustainable development of the economy and the well-being of individuals.</p>                          |
|    | <p>We ensure that our business development is inclusive, resilient and sustainable by providing integrated services within the port and surrounding business areas. This is achieved through comprehensive planning and strategic implementation of relevant policies.</p>                                |
|   | <p>PTP operates on principles of fairness for all parties, advocating transparency, accountability and strict compliance with the law. These principles serve as which are the keystones of our operations.</p>   |
|  | <p>PTP has collaborated with various sectors, both nationally and internationally, to strengthen the country's capacity, particularly that of our stakeholders, in advancing towards sustainability.</p>  |

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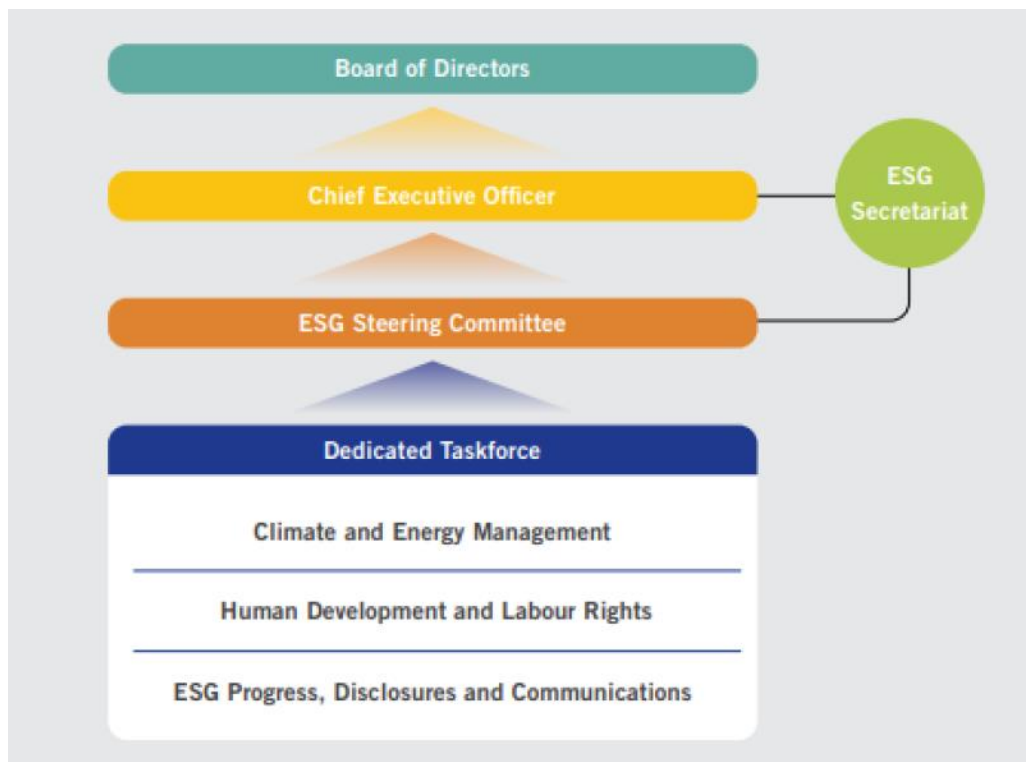


### 1.3.1 Our Sustainability Framework

We have established distinct aspirations for each ESG factor and determined outcome-oriented initiatives we will pursue. Our sustainability framework is depicted below:



### 1.3.2 Established Governance Structure



At PTP, we have ingrained sustainability principles into every business process, encompassing decision-making, management and relevant organisational activities, as well as those of our suppliers. This practice underscores our commitment to minimising negative impacts on society and the environment across the entire value chain.

To oversee and drive sustainability efforts, we established the ESG Steering Committee (“**ESC**”), with our Chief Executive Officer (“**CEO**”) serving as the Committee Chairman. The ESC is tasked with overseeing policies, setting sustainability goals, defining strategies and guidelines aligned with our corporate strategy and international principles. Additionally, the ESC manages and monitors our sustainability performance, with periodic reporting to senior management across all business groups and the Group’s Board of Directors (“**BOD**”). To enhance accountability, sustainability-related KPIs have also been included in PTP’s KPIs.

The ESC convenes every three months to monitor sustainability progress and shape directions on key issues such as decarbonisation initiatives, ongoing social performance, and supporting business groups in achieving enhanced sustainability performance across economic, social and environmental dimensions. Furthermore, PTP has appointed a dedicated working committee to serve as a supporting mechanism in driving our Sustainability Strategy. This committee regularly reports relevant progress and performance to its central counterpart.

Other than the roles and tasks as set out above, the dedicated working committee and the management team will be involved in the process of evaluating and selecting Eligible Project(s) (as defined herein), details of which are further set out in Section 2.2 of this Framework.

### **1.3.3 Decarbonisation Framework and Roadmap**

PTP is dedicated to becoming a net-zero carbon company by 2050, aligning with Malaysia’s obligations under the Paris Agreement by targeting a 45% reduction in carbon emissions by 2030.

Our decarbonization strategy encompasses a detailed plan across various divisions such as ports and terminals, free zones, and marine services. Significant strides are being made in the ports and terminal division through enhanced efficiency, electrification of equipment, and increased use of renewable electricity and low-carbon fuels. These initiatives are backed by capital investments focused on upgrading equipment and renewable energy projects.

We are also improving our carbon reporting by refining the methodology for calculating Scope 3 emissions across all business units and developing strategies for mitigation. Additionally, we are investigating Scope 2 opportunities, especially in renewable electricity procurement, to possibly expedite our decarbonization efforts. PTP is collaborating with a third-party sustainability expert to review and improve our GHG emission reduction plans for the short and medium term and to improve our long-term net-zero transition strategy.

As PTP plans for expansion starting in 2024, we are incorporating carbon footprint considerations into related business cases. This approach ensures that before any investment in equipment is made, we thoroughly optimize the operation and usage of the equipment for substantial carbon reductions. This strategy will enable every member of our team at all levels to consider carbon footprints in designing and planning future operations.

## 2.0 SUSTAINABILITY SUKUK FRAMEWORK

This Sustainability Sukuk Framework (“**Framework**”) has been established to serve as a guide to outline PTP’s issuance of Sustainability Sukuk, whereby the proceeds shall be utilised to finance or refinance projects and activities that promote and/or contribute to positive environmental and/or social impact and aligned with the following SDGs:

- SDG 4: Quality Education
- SDG 5: Gender Equality
- SDG 7: Affordable and Clean Energy
- SDG 8: Decent Work and Economic Growth
- SDG 9: Industry, Innovation and Infrastructure
- SDG 10: Reduced Inequalities
- SDG 11: Sustainable Cities and Communities
- SDG 13: Climate Action
- SDG 14: Life Below Water
- SDG 15: Life on Land
- SDG 16: Peace, Justice and Strong Institutions
- SDG 17: Partnership for the Goals

The establishment of this Framework is aligned with the following guidelines, frameworks, standards or principles, as amended or substituted from time to time:

- (i) the Sustainable and Responsible Investment Sukuk Framework under the Guidelines on Unlisted Capital Market Products under the Lodge and Launch Framework issued by the Securities Commission Malaysia;
- (ii) the ASEAN Green Bond Standards, ASEAN Social Bond Standards and ASEAN Sustainability Bond Standards issued by the ASEAN Capital Markets Forum; and
- (iii) the Green Bond Principles, Social Bond Principles and Sustainability Bond Guidelines issued by the International Capital Market Association.

In line with the above, this Framework comprises the following core components:

- (i) Use of proceeds;
- (ii) Process for project evaluation and selection;
- (iii) Management of proceeds; and
- (iv) Reporting.

## 2.1 Use of Proceeds





The utilisation of proceeds from each issuance of Sustainability Sukuk will be used to finance and/or refinance, in whole or in part, new or existing assets, businesses, projects and/or products that comply with PTP's Sustainability Sukuk Framework that promote the eligible categories ("**Eligible Categories**") and meet the eligibility criteria ("**Eligibility Criteria**") as set out below ("**Eligible Project(s)**"). A look-back period of up to 36 months prior to the time of the Sustainability Sukuk issuance will be applied for refinanced Eligible Projects, where applicable.




The utilisation of proceeds shall be used by PTP for the following Shariah-compliant purposes for the relevant Eligible Projects:

- (i) repay or refinance the financing or borrowings of PTP group of companies;
- (ii) finance present and future investments;
- (iii) finance working capital requirements; and
- (iv) finance and/or reimburse capital expenditure requirements.




### 2.1.1 Eligibility Criteria

#### Eligible Green Project Categories





| Eligible Category and Alignment with UN SDGs   | Environmental Objectives   | Description   |
|--|--|---|
| <p><u>Clean transportation</u></p> <div>   </div> <div>   </div> <p>Clean transportation technologies such as electric vehicles (EVs) and public transport systems powered by renewable energy will increase the share of renewable energy in the transportation sector, contributing to a global energy shift.</p> <p>Clean transportation supports the development of sustainable and resilient transportation</p> | <ul style="list-style-type: none"> <li>Climate change mitigation</li> <li>Pollution prevention and control</li> <li>Natural resource conservation</li> </ul> | <ul style="list-style-type: none"> <li>Investments and expenditure in projects which support environmental-friendly transportation including low emission and low energy consuming such as electric vehicles and supporting infrastructure, which may include but not limited to <ul style="list-style-type: none"> <li>Electrified Prime Mover (e-PM)</li> <li>Green Boats</li> <li>Electrified Pickup Trucks</li> <li>Electrified Rubber Tyre Gantry (e-RTG)</li> <li>Electrified Quay Crane</li> <li>Electrified cars</li> <li>Electrified stackers</li> </ul> </li> </ul> |




| Eligible Category and Alignment with UN SDGs   | Environmental Objectives   | Description   |
|--|--|---|
| <p>infrastructure, such as electric vehicle (EV) charging networks, high-speed rail, and bike-sharing systems. These solutions not only enhance connectivity but also provide affordable and equitable access to modern transportation options, supporting both economic development and improving human well-being.</p> <p>Clean transportation systems offer safe, affordable, and sustainable mobility option</p> <p>Clean transportation systems help reduce the carbon footprint and mitigate climate-related risks. These systems also strengthen cities' and countries' resilience to climate impacts by lowering pollution and dependence on fossil fuels, which can exacerbate climate vulnerabilities.</p> |  |   |
| <p><u>Energy efficiency</u></p> <div data-bbox="204 1552 355 1704">  </div> <div data-bbox="371 1552 523 1704">  </div> <div data-bbox="204 1715 355 1868">  </div> <p>Energy efficiency helps lower energy consumption, making energy services</p>   | <ul style="list-style-type: none"> <li>• Climate change mitigation</li> <li>• Natural resource conservation</li> </ul> | <ul style="list-style-type: none"> <li>• Investments and expenditure related to the implementation of projects (e.g. installation, upgrade, maintenance, repair, operations) which aim to reduce energy consumption or to improve energy efficiency by at least 60 % via the use of low emission technology and equipment which may include but not limited to: <ul style="list-style-type: none"> <li>- Internet of Things (IoT) Devices to track energy efficiency</li> </ul> </li> </ul> |








| Eligible Category and Alignment with UN SDGs  | Environmental Objectives   | Description  |
|---|--|--|
| <p>more affordable and reliable by reducing waste and optimizing resource use.</p> <p>Energy-efficient infrastructure is critical for reducing resource consumption and minimizing environmental impact. Sustainable urban planning, retrofitting buildings with energy-efficient technologies, and upgrading transport systems all contribute to resilient, low-carbon infrastructure.</p> <p>By reducing energy consumption and reliance on fossil fuels, energy efficiency contributes to resilient energy systems that are less vulnerable to climate-related disruptions. This strengthens adaptive capacities and reduces the risk of energy shortages during extreme weather events.</p> |  | <ul style="list-style-type: none"> <li>- Artificial Intelligence Software to enhance energy efficiency</li> <li>- Retrofitting / refurbishment of existing equipment in facilities and buildings</li> <li>- Installation of energy efficiency lighting, equipment and appliances</li> <li>- Installation of Retrofitting and optimising the heating, ventilation, and air conditioning systems</li> <li>- Installation of energy storage systems and smart meters</li> <li>- Cogeneration systems</li> </ul> |
| <p><u>Renewable energy</u></p> <div data-bbox="204 1518 355 1666">  </div> <div data-bbox="371 1518 523 1666">  </div> <div data-bbox="204 1682 355 1832">  </div> <p>Renewable energy sources like solar, wind, and hydropower provide affordable, reliable, and</p>  | <ul style="list-style-type: none"> <li>• Climate change mitigation</li> <li>• Pollution prevention and control</li> <li>• Natural resource conservation</li> </ul> | <ul style="list-style-type: none"> <li>• Investments and expenditure related to development or operation or maintenance of other renewable energy projects which contribute towards carbon emission reduction, which may include but not limited to: <ul style="list-style-type: none"> <li>- Solar panel</li> <li>- Mini-hydro power plants</li> </ul> </li> </ul>  |


| Eligible Category and Alignment with UN SDGs  | Environmental Objectives  | Description  |
|---|---|--|
| <p>modern energy services to both urban and rural areas. These sources can reduce energy costs and bring electricity to regions that are off the grid, especially in developing countries, helping to achieve universal energy access.</p> <p>Building renewable energy infrastructure—such as wind farms, solar power plants, and hydropower systems—creates sustainable and resilient energy networks. These energy sources reduce reliance on volatile fossil fuel markets and provide a stable foundation for future infrastructure development.</p> <p>Renewable energy systems, particularly decentralized ones like solar panels or wind turbines, improve the resilience of energy grids against climate-related disruptions such as storms, floods, or heatwaves. This resilience helps communities maintain power during extreme weather events and enhances adaptive capacity in the face of climate challenges.</p> |   |  |
| <p><u>Green buildings</u></p> <div data-bbox="204 1787 359 1933">  </div> <div data-bbox="367 1787 521 1933">  </div>   | <ul style="list-style-type: none"> <li>• Climate change mitigation</li> <li>• Energy conservation</li> <li>• Natural resource conservation</li> </ul> | <ul style="list-style-type: none"> <li>• Investments and expenditure related to the construction, development, renovation, maintenance and/or acquisition of existing or refurbished buildings that meet the widely-accepted regional, national or internationally recognised</li> </ul> |

| Eligible Category and Alignment with UN SDGs  | Environmental Objectives  | Description  |
|---|---|--|
| <div data-bbox="209 331 352 472">  </div> <div data-bbox="368 331 512 472">  </div> <p>Green buildings optimize energy use by integrating renewable energy sources and enhancing energy efficiency, reducing the overall demand for non-renewable energy.</p> <p>Green buildings promote sustainable construction practices and innovation through the use of eco-friendly materials and advanced technologies, contributing to more resilient and environmentally sound infrastructure.</p> <p>Green buildings contribute to sustainable urban development by creating healthier, more resource-efficient living spaces, reducing the environmental footprint of cities.</p> <p>Green buildings help mitigate climate change by lowering greenhouse gas emissions through energy-efficient designs and reducing the carbon footprint of the built environment.</p> |   | <p>standards or certifications, for example:</p> <ul style="list-style-type: none"> <li>(i) GreenRE (Gold or above)</li> <li>(ii) GBI (Gold or above)</li> <li>(iii) LEED (Gold or above)</li> </ul>   |
| <p><u>Climate change adaptation</u></p> <div data-bbox="209 1850 352 2000">  </div> <div data-bbox="368 1850 512 2000">  </div>   | <ul style="list-style-type: none"> <li>• Climate change adaptation</li> </ul> | <ul style="list-style-type: none"> <li>• Investments and expenditure related to the construction or upgrade, amongst others, of the port infrastructure with the aim of making it resilient against climate change physical risks</li> </ul> |



| Eligible Category and Alignment with UN SDGs  | Environmental Objectives  | Description  |
|---|---|--|
| <p>Climate change accelerates the shift to renewable energy sources and energy efficiency to reduce carbon emissions and provide sustainable energy.</p> <p>Climate change drives the need for urgent action to mitigate and adapt to its impacts through emission reductions, resilience-building, and integrated climate strategies.</p>  |   | <p>such as rising sea levels and extreme weather conditions.</p> <ul style="list-style-type: none"> <li>- Coastal protection infrastructure</li> <li>- Technology and monitoring system</li> <li>- Infrastructure strengthening</li> <li>- Heat-Resistant Infrastructure</li> </ul>  |
| <p><u>Terrestrial and aquatic biodiversity conservation</u></p> <div>    </div> <p>Biodiversity conservation, such as reforestation and habitat protection, enhances carbon sequestration and climate resilience.</p> <p>Protecting marine ecosystems and promoting sustainable practices support ocean health, preserve fisheries, and protect coastal habitats.</p> <p>Conserving terrestrial ecosystems prevents land degradation, maintains biodiversity, and ensures sustainable land use and ecosystem services.</p> | <ul style="list-style-type: none"> <li>• Climate change adaptation</li> </ul> | <ul style="list-style-type: none"> <li>• Investments and expenditures related to terrestrial and aquatic conservation projects, including construction and upgrades, are aimed at enhancing resilience to climate change risks such as rising sea levels and extreme weather events, while protecting and restoring natural habitats for flora and fauna. This includes: <ul style="list-style-type: none"> <li>- Coastal and habitat protection infrastructure</li> <li>- Technology and monitoring systems</li> <li>- Infrastructure fortification</li> <li>- Heat-resistant infrastructure</li> <li>- Replanting and translocating flora and fauna</li> </ul> </li> </ul> |

| Eligible Category and Alignment with UN SDGs   | Environmental Objectives   | Description   |
|--|--|---|
| <p><u>Pollution prevention, control and circular economy</u></p> <div>    </div> <p>Reducing pollution decreases greenhouse gas emissions, contributing to climate change mitigation.</p> <p>Pollution control protects marine ecosystems from contaminants, preserving ocean health and biodiversity.</p> <p>Pollution prevention helps protect terrestrial ecosystems, prevents soil and water contamination, and supports biodiversity.</p> | <ul style="list-style-type: none"> <li>Climate change adaptation</li> <li>Natural resource conservation</li> </ul> | <ul style="list-style-type: none"> <li>Investments and expenditures related to pollution prevention and control, including construction and upgrades, are aimed at improving waste management efficiency within the organization to reduce landfill waste. This includes: <ul style="list-style-type: none"> <li>Recycling hubs</li> <li>Waste management technology and innovation</li> <li>Infrastructure for efficient waste handling</li> </ul> </li> </ul> |
| <p><u>Sustainable water and wastewater management</u></p> <div>   </div>   | <ul style="list-style-type: none"> <li>Climate change adaptation</li> <li>Natural resource conservation</li> </ul> | <ul style="list-style-type: none"> <li>Investments and expenditures related to sustainable water and wastewater management are focused on improving water efficiency within the organization to ensure the responsible use of natural resources. This includes:</li> </ul>  |



| Eligible Category and Alignment with UN SDGs   | Environmental Objectives | Description   |
|--|--------------------------|---|
|  <p>Efficient water management reduces greenhouse gas emissions and enhances climate resilience.</p> <p>Proper wastewater management prevents ocean pollution, protecting marine ecosystems.</p> <p>Sustainable water use conserves terrestrial ecosystems, prevents land degradation, and supports biodiversity.</p> |                          | <ul style="list-style-type: none"> <li>- Rainwater harvesting infrastructure</li> <li>- Water and effluent management technology and innovation</li> <li>- Infrastructure for efficient water handling</li> </ul> |

#### Eligible Social Project Categories

| Eligible Category and Alignment with UN SDGs  | Social Objectives   | Description   |
|---|---|---|
| <p><u>Socioeconomic advancement and empowerment</u></p>   <p>Investments in vocational training centres and educational programs directly contribute to increasing access to quality education and skills development. By providing learning opportunities and career training, these initiatives help improve educational outcomes and</p> | <ul style="list-style-type: none"> <li>• Talent Development</li> <li>• Gender Equality</li> </ul> | <ul style="list-style-type: none"> <li>• Investments can be directed toward enhancing talent development and gender equality, creating a skilled workforce to meet the demands of a changing job market. Additionally, these funds can support gender equality initiatives by financing programs that advance women's leadership and entrepreneurship.</li> </ul> |

| Eligible Category and Alignment with UN SDGs  | Social Objectives | Description |
|---|-------------------|-------------|
| <p>prepare individuals for the evolving job market.</p> <p>Support programs that advance women's leadership and entrepreneurship aligns with the goal of achieving gender equality. These initiatives promote women's participation in leadership roles, support women-owned businesses, and work towards closing gender gaps in various sectors, contributing to a more equitable and inclusive society.</p> |                   |             |

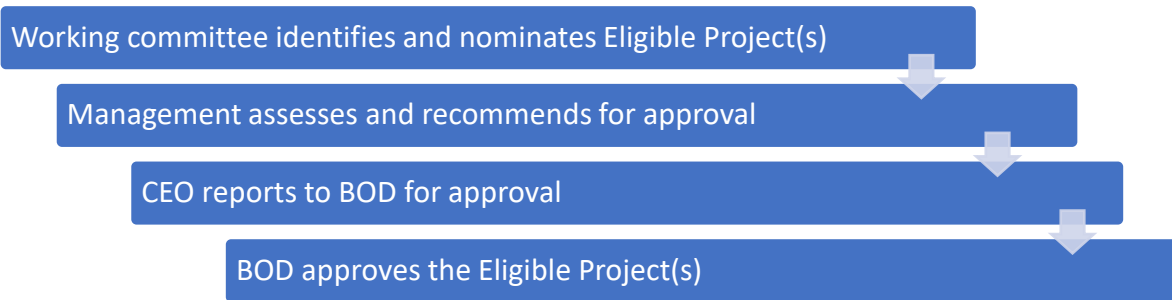
### 2.1.2 Exclusions

The net proceeds raised from the issuance of any Sustainability Sukuk under this Framework shall not be utilised by PTP to finance any of the following:

- (i) transportation or storage of fossil fuel;
- (ii) fossil fuel related activities;
- (iii) gambling, casinos and its equivalent enterprises;
- (iv) production or trade in alcoholic beverages;
- (v) production or trade in weapons;
- (vi) production or trade in tobacco products;
- (vii) waste incineration resulting in pollution/harmful biomass;
- (viii) production, trade or activities in commercial logging operations;
- (ix) production or activities involving exploitative or harmful forms of forced labour; and
- (x) such other Shariah non-compliant purposes.

## 2.2 Process for Project Evaluation and Selection

In line with PTP's established governance structure, it has put in place a dedicated internal work process in evaluating, selecting and approving the Eligible Project(s) as set out below.



In identifying and nominating the Eligible Projects, the dedicated working committee shall consider if the Eligible Projects:

- (i) meet the Eligible Criteria including the exclusions;
- (ii) align with the relevant SDGs;
- (iii) achieve the relevant environmental and/or social objectives; and
- (iv) support PTP's sustainability strategy and this Framework.

All approved and affirmed Eligible Projects shall be reviewed by the ESG Steering Committee quarterly or such other frequency as deemed fit. In the event any Eligible Green Project(s) no longer meet the Eligibility Criteria during the tenure of the Sustainability Sukuk due to project postponement, divestment or any other reasons, PTP will on a best-effort basis replace such project(s) as soon as reasonably practicable once an appropriate replacement option has been identified. Any replacement of the Eligible Green Project(s) shall comply with the requirements as set out in this Section 2.2 and Section 2.1.1 of this Framework.

### 2.2.1 Identification and Management of Material, Environmental and/or Social Risks

In evaluating the eligible projects, it must be shown that the risks of eligible projects (including any material environment or social risks) are identified and managed appropriately, and the evaluation may include the following assessment:-

- Assessment for critical inputs such as grid capacity
- Assessment of the effects on the physical environment (land use, pollutions, air and water quality)
- Assessment of the socio-economic impact to the community

### 2.3 Management of Proceeds

The net proceeds from the issuance of any Sustainability Sukuk under this Framework shall be deposited into PTP's general funding accounts pending allocation to Eligible Project(s) that meet the Eligibility Criteria as set out in Section 2.1.1 of this Framework. PTP aims to allocate the issuance proceeds to the Eligible Projects, in accordance with the project evaluation and selection process as set out above. Any unallocated issuance proceeds may be temporarily invested in cash, cash

equivalents and/or other liquid marketable instruments in accordance with the relevant internal cash or liquidity management policies.

A register will be set up to monitor and track, amongst others, the allocation of issuance proceeds to the Eligible Project(s). The register shall contain relevant information including the following:

- (i) Details of the Green Sukuk
  - Nominal value
  - Issue date
  - Maturity date
  - Tenure
  - Profit rate
- (ii) Details of the utilisation of proceeds
  - Summary details of the Eligible Project(s) to which the issuance proceeds have been allocated in accordance with this Framework
  - Amount allocated for the Eligible Project(s)
  - Amount utilised for the Eligible Project(s)
  - Amount unallocated
  - Information on temporary investments for unallocated proceeds

## 2.4 Reporting

In line with our commitment to transparency in all our activities, we shall publish a report with information on proceeds allocation, amongst others, which will be made publicly available on PTP's website ([www.ptp.com.my](http://www.ptp.com.my)). The report will be updated on an annual basis or until full allocation of the net proceeds of any Green Sukuk issuance, and/or in the case of any material developments.

### Allocation Reporting

Information on the amount that is equal to the net proceeds of the Sustainability Sukuk issued under the Sustainability Sukuk Framework will be provided, which includes the following:

- Aggregate amounts of proceeds allocated to each of the Eligible Projects;
- Amount utilised for the Eligible Project(s);
- The outstanding amount of net proceeds yet to be allocated to the Eligible Project(s) at the end of the reporting period and where these have been invested pending utilisation;
- List of the Eligible Project(s) in which the issuance proceeds have been allocated to as well as a brief description of the said Eligible Project(s) and its/their impact or expected impact;
- Removal or substitution of the Eligible Project(s); and
- Such other relevant information to be disclosed.

## Impact Reporting

Where possible, PTP aims to provide examples of the Eligible Project(s) financed or refinanced by the Sustainability Sukuk issued under the Sustainability Sukuk Framework, as well as impact metrics for each of the Eligible Categories, which may include the following and/or other relevant information:

| Eligible Category                                  | Impact Indicators  |
|--|--|
| Clean transportation                               | <ul style="list-style-type: none"> <li>Annual GHG emissions reduced/avoided in tonnes of CO<sub>2</sub> equivalent</li> <li>Estimated reduction in fuel consumption</li> <li>Number of clean vehicles deployed (e.g. electric)</li> </ul>          |
| Energy efficiency                                  | <ul style="list-style-type: none"> <li>Annual energy savings in MWh/GWh</li> <li>Annual GHG emissions reduced/avoided in tonnes of CO<sub>2</sub> equivalent</li> </ul>  |
| Renewable energy                                   | <ul style="list-style-type: none"> <li>Annual energy savings (MWh)</li> <li>Annual GHG emissions reduced/avoided in tonnes of CO<sub>2</sub> equivalent</li> </ul>   |
| Green building                                     | <ul style="list-style-type: none"> <li>Number of Green Building Certifications obtained</li> <li>Number of solar panels installed on the customer's premise</li> <li>Annual energy savings in MWh/GWh</li> </ul>                                   |
| Climate change adaptation                          | <ul style="list-style-type: none"> <li>Annual GHG emissions reduced/avoided in tonnes of CO<sub>2</sub> equivalent</li> </ul>  |
| Terrestrial and aquatic biodiversity conservation  | <ul style="list-style-type: none"> <li>Number of mangroves planted</li> </ul>  |
| Pollution prevention, control and circular economy | <ul style="list-style-type: none"> <li>Recycling efficiency, formula for efficiency is as follow: average of general &amp; scheduled waste (by percentage %)</li> <li>Total number of wastes being avoided from landfill (tonnes)</li> </ul>       |
| Sustainable water and wastewater management        | <ul style="list-style-type: none"> <li>Wastewater: Condition of sewage discharge of Standard B as per the parameters stated in Environmental Quality (Sewage) Regulations 2009</li> <li>Sustainable Water: Rainwater harvested (liters)</li> </ul> |
| Socioeconomic advancement and empowerment          | <ul style="list-style-type: none"> <li>Proportion of women in managerial positions</li> <li>Increase/decrease in staff retention</li> <li>Number of staff receiving relevant training</li> </ul>   |

PTP has and will continue to follow all applicable environmental, social and governance standards, as well as any generally accepted best practices, as they relate to the Eligible Projects.



## 3.0 EXTERNAL REVIEW

### 3.1 Pre-Issuance External Review

PTP has appointed MARC Ratings Berhad to conduct a pre-issuance external review by providing a pre-issuance Second-Party Opinion (“SPO”) on the alignment of its Sustainability Sukuk Framework with the standards and guidelines as set out in Section 2.0 of this Framework. The SPO document will be made available on PTP’s website ([www.ptp.com.my](http://www.ptp.com.my)). This pre-issuance external review shall be done on a one-off basis, unless there are material developments or changes to the Framework.

### 3.2 Post-Issuance External Review

PTP may engage an appropriate external assurance provider to independently verify the management of the proceeds of the Sustainability Sukuk and the reporting disclosures as set out in Section 2.3 and Section 2.4 of this Framework, respectively, as and when required.

## 4.0 AMENDMENTS TO THE SUSTAINABILITY SUKUK FRAMEWORK

PTP shall review this Framework on a regular basis with the aim of adhering to market best practices in line with potential evolutions in the Sustainability Sukuk market and its corresponding regulatory requirements. Upon review, PTP’s Sustainability Sukuk Framework may be updated and amended, and any major updates to this Framework shall be subject to the relevant approval including the review by an independent external reviewer, if required. Any updated Sustainability Sukuk Framework will be published on PTP’s website at [www.ptp.com.my](http://www.ptp.com.my) and will replace this Framework.

## 5.0 GLOSSARY

### G

GWh: Gigawatt Hour

### M

MWh: Megawatt Hour

### P

PMs: Prime Movers

### R

RTGs: Rubber Tyred Gantry Crane

### T

TEUs: Twenty-foot Equivalent Unit

### U

ULCV: Ultra Large Container Vessel

UN SDGs: United Nations Sustainable Development Goals

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## 6.0 DISCLAIMER

The information and opinions contained in PTP's Sustainability Sukuk Framework are provided as of the date of the Sustainability Sukuk Framework and are subject to change without notice. None of PTP, its subsidiaries or any of its affiliates assume any responsibility or obligation to update or revise any such statements, regardless of whether those statements are affected by the results of new information, future events or otherwise. The Sustainability Sukuk Framework represents current PTP policy and intent and is not intended to, nor can it be relied on, to create legal relations, rights or obligations. The Sustainability Sukuk Framework may contain or incorporate by reference public information not separately reviewed, approved or endorsed by PTP and accordingly, no representation, warranty or undertaking, express or implied, is made and no responsibility or liability is accepted by PTP as to the fairness, accuracy, reasonableness or completeness of such information.

This Framework may contain statements about future events and expectations that are "forward-looking statements". Forward-looking statements are generally identified through the inclusion of words such as "aim", "drive", "estimate", "expect", "goal", "intend", "may", "plan", "project", "target" and "will" or similar statements or variations of such terms and other similar expressions. Forward-looking statements inherently involve risks and uncertainties that could cause actual results to differ materially from those predicted in such statements. None of the future projections, expectations, estimates or prospects in this document should be taken as forecasts or promises nor should they be taken as implying any indication, assurance or guarantee that the assumptions on which such future projections, expectations, estimates or prospects have been prepared are correct or exhaustive or, in the case of assumptions, fully stated in the Sustainability Sukuk Framework. Actual results and other financial conditions may differ materially from those included in these statements due to a variety of factors. Any such forward looking statements in these materials speak only as of the date of these materials and PTP does not undertake to update forward-looking statements to reflect the impact of circumstances or events that arise after the date the forward looking statements were made.

This Framework is provided for information purposes only and does not constitute a recommendation regarding the purchase, sale, subscription or other acquisition or disposal of any debt or other securities of PTP or any member of PTP ("securities"). This Framework is not and is not intended to be, and does not form part of or contain an offer to sell or an invitation to buy, or a solicitation of any offer or invitation to buy, any securities issued by PTP or any of its member. If any such offer or invitation is made, it will be done so pursuant to separate and distinct documentation in the form of an information memorandum, an accompanying prospectus or other equivalent document (the "Offering Documents") and any decision to purchase or subscribe for any securities pursuant to such offer or invitation should be made solely on the basis of such Offering Documents and not these materials. In particular, investors should pay special attention to any sections of the Offering Documents describing any risk factors. The merits or suitability of any securities or any transaction described in these materials to a particular person's situation should be independently determined by such person. Any such determination should involve, inter alia, an assessment of the legal, tax, accounting, regulatory, financial, credit or other related aspects of the securities or such transaction and prospective investors are required to make their own independent investment decisions.

Neither this document nor any other related material may be distributed or published in any jurisdiction in which it is unlawful to do so, except under circumstances that will result in compliance with any applicable laws and regulations. Persons into whose possession such documents may come must inform themselves about, and observe, any applicable restrictions on distribution. Providing the Sustainability Sukuk Framework does not mean that PTP certifies the materiality, the excellence or the irreversibility of the projects undertaken by the eligible assets. PTP is fully responsible for certifying and ensuring the implementation and monitoring of and compliance with the Sustainability Sukuk Framework.