
ARISE

INTEGRATED INDUSTRIAL PLATFORMS

Sustainable Procurement Policy

Version Control

Action	Date	Department
Created	19/01/2022	ESG function
Reviewed	21/01/2022	Legal function
Revised	29/01/2022	ESG function
Revised	04/03/2022	ESG Function
Reviewed	15/04/2022	Procurement function
Revised	30/04/2022	ESG function



SUSTAINABLE PROCUREMENT POLICY

OBJECTIVES:

- To reach Company's sustainable objectives
- To minimize the environmental impact of the Company's activities
- To ensure all Company's contractors, vendors, suppliers, and service providers follow the Company's sustainable objectives

RECIPIENTS:

- All employees of ARISE IIP especially end-users and procurement team
- All contractors, vendors, suppliers, and service providers

Aligned to the commitment towards sustainable growth, Arise Integrated Industrial Platforms and its subsidiaries (hereafter referred as "Arise IIP" or the "Company") are committed to incorporate environmental considerations in its purchasing decisions to minimize the environmental impact across the lifecycle of the products and the services it procures.

In line with the Company's sustainability objectives, the key pillars of its green procurement philosophy comprise of reduced use of toxic substances, conservation of natural resources, minimizing waste generation and GHG emissions and maximizing reusability and recyclability across the value chain of the product/service. The Company encourages use of products or services which adopt the cradle-to-cradle approach and design for environment principles which are essential for long term sustainability.

The Company shall strive to include the following considerations into procurement decisions for capital assets as well as consumable supplies for its establishments:

Environmental Management - Work to reduce the key environmental impacts of supply chain operations and work with suppliers and subcontractors to minimize and manage these impacts and ensure legal compliance. Products, materials, and services should not degrade or pollute the soil and water or result in erosion or contamination through their use.

Ethical Sourcing - Source products, materials, and services ethically through recognized credible standards. Prefer purchase of environmentally labelled and certified products.

Circular Economy & Resource Efficiency - Minimize waste and material use and give preference to materials products and services with greatest circular-economy benefits.

Energy & Carbon - Products and materials should meet the international/national energy efficiency parameters. Reduce the operational energy use of our projects and quantify the embodied carbon of key materials at procurement stage.

Water - Products and materials should meet the international/national water efficiency performance standards. Reduce the operational water use of our projects to the extent feasible.

Biodiversity - Protect and where appropriate enhance the biodiversity of our sites and manage the impact of the products and materials we buy on habitats.



Air Quality - Reduce impacts on air quality by controlling dust and harmful emissions.

Health & Safety: Purchased products shall be free of asbestos, carcinogens, endocrine disruptors, VOCs, toxic substances, lead and mercury

Supplier Diversity - Offer small and medium enterprises, social enterprises, and local businesses the opportunity to participate in our supply chain and to work with suppliers who actively manage diversity & inclusion in their workforce. Assisting our supply chain partners in delivering sustainability through partnering to achieve our common goals and continually improve performance over time.

Community Engagement - Engage positively with the local community and work to avoid disruption to local people.

All end-users and departments of the Company responsible for purchasing of products and services for the Company shall adhere to this policy to the best extent possible and make conscious efforts towards procuring green products/services considering their life-cycle cost and potential impacts on the people and the planet.

Refer to the at the Annexure A - List of Materials with corresponding green procurement Specification. For the management and implementation of this and all polices, we will:

- Conduct or business with integrity and in compliance with the relevant laws of countries where we operate and in accordance with recognised international and national standards, guidelines, and processes.
- Ensure all levels of our management accountable for applying the policy in their business decisions.
- Ensure all employees, business partners, contractors, suppliers, and visitors understand this Policy and their own responsibilities and accountabilities and receive appropriate training and support for delivering successfully.
- Establish strategies and management systems to create and prioritise SMART objectives and execute improvement plans that are aligned with our business goals and address our significant risks, impacts and opportunities.
- Ensure effective communication to all employees, contractors, visitors, and other interested parties through meaningful and accurate information regarding our Environmental and Sustainability performance standards to demonstrate continual progress towards commitments made in our Policies.
- Periodical review of this Policy to align with our business and our key stakeholder expectations.

Annexure A: List of Materials

Construction Materials	Green Procurement Specifications
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1	Flooring Materials	For wood-based flooring products, the material should meet one of the following requirements: i. 40% of the wood material is from recycled wood; or ii. The wood material should obtain sustainable forest management certification such as Forest Stewardship Council (FSC), PEFC (Programme for the Endorsement of Forest Certification schemes) or equivalent
2	PVC Pipes & Fittings	The product should contain at least 30% by weight of waste plastic.
3	Carpets	The product should include a post-consumer or post-industrial recycled content of at least 5% in the carpet backing. The product should be sold as removable tiles to the extent possible. Water-based adhesives or high VOC free adhesive should be used. The product should be recyclable into either new carpet or other products or should be capable of being refurbished.
4	Concrete	All major construction projects should adopt the Carbon Cure technology to add recycled CO ₂ into fresh concrete and reduce its carbon footprint.
5	Timber - Door, Window, Furniture	The wood should meet one of the following requirements: i. The wood material is from recycled/waste wood; ii. The wood material obtains sustainable forest management certification such as Forest Stewardship Council (FSC), PEFC (Programme for the Endorsement of Forest Certification schemes) or equivalent
6	Gypsum Plasterboard for Internal Use	The product should contain recycled content of 20% by weight and above against the total weight of the product. The product shall conform to the technical requirement for its intended use as specified in the Project Specifications.
7	Concrete Paver blocks	The product should contain recycled aggregates not less than 30% by weight of recycled aggregates. The product shall conform to the technical requirement for its intended use as specified in the Project Specification.
10	Non-Structural Steel	The product should contain a minimum of 20% by weight of recycled steel content against the total weight of the product. The product shall conform to the technical requirement for its intended use as specified in the Project Specification
12	Roofing Systems	All roofing systems should be coated with high reflective paint of SRI (Solar Reflective Index) value 80.
13	Windows	All glass surfaces used in windows should be low e coated to reduce heat gain and maximize visible light.

IT Equipment		Green Procurement Specifications
1	Computers, Printers, Laptops, Desktops, Television	The product should comply with international power consumption standard such as Energy Star.

Air Condition Equipment		Green Procurement Specifications
1	Air Conditioning Equipment	All AC equipment should not use R 22 and other CFC based refrigerant, R 134A and others with lesser GWP shall be considered. Higher Energy Efficiency Ratio (EER) available in the product category shall be considered.

Light Equipment		Green Procurement Specifications
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1	Light Fixtures	<p>All light fixtures shall be LED meeting the international compliant energy efficiency standards. Product components (circuit boards, electrical, electronic, and plastic components) should comply with RoHS (Restriction of Hazardous Substances). Maximum Concentration Values of the RoHS restricted substances are:</p> <ul style="list-style-type: none"> i. Lead: 0.1% by weight ii. Cadmium: 0.01% by weight iii. Mercury: 0.1% by weight iv. Hexavalent chromium: 0.1% by weight v. PBBs: 0.1% by weight vi. PBDEs: 0.1% by weight
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Fire Extinguisher		Green Procurement Specifications
1	Fire Extinguisher	<p>The product should not use halon or its compounds as the fire extinguishing agent.</p> <p>Fire extinguishing agents should comply with the following maximum allowable concentrations of heavy metals:</p> <ul style="list-style-type: none"> i. Cadmium (Cd) < 0.003 mg/L ii. Copper (Cu) < 2 mg/L iii. Lead (Pb) < 0.01 mg/L iv. Mercury (Hg) < 0.006 mg/L v. Zinc (Zn) < 3 mg/L <p>Plastic materials used for packaging should not contain halogenated polymers</p>

Toilet Fixtures		Green Procurement Specifications
1	Toilet Fixtures	<p>All Toilet fixtures shall be water efficient.</p> <p>Following are the flow rates for each device:</p> <ul style="list-style-type: none"> i. Water Closet: Dual flush with 3L and 6L flow rate ii. Urinals: 1L per flush iii. Handwash fixture: Flow rate of 2L per minute iv. Kitchen/ Pantry faucet: Flow rate of 6L per minute v. Bathroom/ Shower faucet: Flow rate of 6L per minute