

# **Reclamation Sand Market Forecasts to 2034 – Global Analysis By Source (River Sand, Sea Sand, Lake Sand, Desert Sand and Other Sources), Grain Size (Fine Sand, Medium Sand, Coarse Sand, Customized Blends and Other Grain Sizes), Process, Application and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Reclamation Sand Market is accounted for \$2.25 billion in 2026 and is expected to reach \$4.1 billion by 2034 growing at a CAGR of 8.1% during the forecast period. Reclamation sand refers to sedimentary material, often sourced from rivers, coasts, or lakes, crucial for land expansion and development projects. Sand reclamation involves physical, chemical, or thermal treatment of sand for reuse in molding and core making. During the sand reclamation process, binders & coatings that adhere to sand grains during casting production are removed to recycle sand for subsequent use.

According to Statistics Canada, an agency of the Government of Canada, in 2021, the sand investment in residential construction was up by 28.4% to US\$162.0 billion as compared to non-residential construction, having a fall in investment by 0.9%.

### **Market Dynamics:**

#### **Driver:**

Rising infrastructure development projects

Reclamation sand plays a vital role in infrastructure development projects by facilitating

land expansion and enhancement. It is used to reclaim and build upon coastal areas, creating new land for projects like ports, airports, and urban waterfront developments. As nations prioritize infrastructure upgrades, the demand for reclamation sand continues to surge. This trend underscores the market's dependence on infrastructure projects, positioning it for continued expansion in the foreseeable future.

**Restraint:**

## Environmental concerns

Environmental concerns in reclamation sand include habitat destruction, sedimentation, and disruption of marine ecosystems. Extraction can harm marine life and biodiversity, impacting fisheries. Additionally, improper sand mining practices can lead to erosion, affecting coastal stability. The market faces challenges due to increased regulatory scrutiny and public awareness regarding these environmental issues, thereby hampering the market expansion.

**Opportunity:**

## Growing awareness of coastal protection

Growing awareness of coastal protection makes communities recognize the importance of safeguarding coastlines against erosion and rising sea levels. Reclamation sand plays a pivotal role in bolstering coastal defences, creating buffer zones, and reclaiming land for sustainable development. Governments and organizations are increasingly investing in projects that prioritize coastal protection, boosting the demand for reclamation sand. This heightened awareness aligns with environmental concerns, driving a positive shift towards responsible and sustainable practices in the reclamation sand market, further supporting its growth.

**Threat:**

## Land use conflicts

Land conflicts in Reclamation Sand arise when extraction operations encroach on existing land use, leading to disputes with local communities, farmers, or indigenous groups. Competing interests for land can result in protests, legal challenges, and project delays. These conflicts not only hinder smooth operations but also damage the industry's reputation and may also lead to stricter regulations. Therefore, this aspect

hinders the market demand.

### Covid-19 Impact

The covid-19 pandemic significantly affected the reclamation sand market. Lockdowns, supply chain disruptions, and reduced construction activities led to a decline in demand. Travel restrictions hindered international trade, impacting sand exports. However, the market has shown resilience with the gradual resumption of construction projects, particularly in infrastructure development, driving a recovery. Despite challenges, the ongoing global focus on sustainable development influenced the market's future dynamics, potentially leading to increased demand for reclamation sand in restoration and land reclamation projects.

The wet reclamation segment is expected to be the largest during the forecast period

The wet reclamation segment is estimated to have a lucrative growth. Wet reclamation in sand reclamation involves the use of water to reclaim used foundry sand. This method helps recover and recycle valuable foundry sand, reducing waste and minimizing environmental impact. It is an effective solution for improving the quality of reclaimed sand, enhancing its suitability for reuse in foundry processes. Its contribution to sustainable foundry practices by promoting resource efficiency and reducing the environmental footprint associated with sand disposal is fuelling the segment growth.

The wastewater treatment projects segment is expected to have the highest CAGR during the forecast period

The wastewater treatment projects segment is anticipated to witness the highest CAGR growth during the forecast period. Reclamation sand proves invaluable in wastewater treatment projects. Its fine particle size enhances filtration efficiency, facilitating the removal of impurities and sediments from water. The sand's high permeability supports effective drainage and water flow in treatment systems. Its versatility in improving filtration, drainage, and microbial activity contributes to the success and sustainability of wastewater treatment projects, ensuring cleaner water output.

### **Region with largest share:**

Asia Pacific is projected to hold the largest market share during the forecast period owing to the increasing demand for land reclamation projects. The surge in infrastructure development, urbanization, and coastal protection initiatives are driving

the demand for high-quality sand. Countries like Singapore, Malaysia, and Indonesia are significant contributors to the market, with dredging activities playing a crucial role. As the region continues to prioritize development, the reclamation sand market is expected to thrive, presenting opportunities for suppliers and stakeholders in the construction and dredging industries.

### **Region with highest CAGR:**

Middle East & Africa is projected to have the highest CAGR over the forecast period, owing to the robust infrastructure development and coastal protection initiatives. With rapid urbanization and expansion of maritime activities, there's a heightened demand for reclamation sand for projects like artificial islands, ports, and waterfront developments. Countries in the region, such as the UAE, Saudi Arabia, and Egypt, are investing heavily in reclamation activities for urban expansion and tourism. Further, with increasing attention on responsible extraction practices and adherence to environmental standards, the region's market is boosting profoundly.

### **Key players in the market**

Some of the key players profiled in the Reclamation Sand Market include Iluka Resources Limited, Tochu Corporation, Asahi Yukizai Corporation, MAT Foundry Group, Resand Oy, Pioneer Construction Materials Limited, Mangalore Minerals Limited, Finecast Foundry Limited, JFE Mineral & Alloy Co Limited, Mitsubishi, Saint-Gobain, Select Sands, Pattison Sand Company LLC and Nugent Sand Inc.

### **Key Developments:**

In August 2023, Finland-based Resand has developed an innovative new technology that enables the cleaning and recycling of foundry sand. Through continuous product development, Resand has now made a breakthrough that also enables the regeneration of ceramic sand.

In January 2022, MAT Foundry started using sand reclamation at their EURAC Poole facility. Instead of taking degraded sand to landfill, it is now cleansed by a specialist machine – known as a 'secondary attrition unit'. By scrubbing the sand clean, it becomes suitable for new processes and experiences a far longer lifecycle – which is expected to reduce consumption of new sand by 5,000 tonnes per annum.

### **Sources Covered:**

River Sand

Sea Sand

Lake Sand

Desert Sand

Other Sources

#### Grain Sizes Covered:

Fine Sand

Medium Sand

Coarse Sand

Customized Blends

Other Grain Sizes

#### Processes Covered:

Mechanical Reclamation

Wet Reclamation

Thermal Reclamation

Other Processes

#### Applications Covered:

Flood Control Projects

Pipeline Construction

Reservoir & Dam Construction

Wastewater Treatment Projects

Concrete Production

Beach Nourishment

Agricultural Land Expansion

Other Applications

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

## Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

## South America

Argentina

Brazil

Chile

Rest of South America

## Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

**What our report offers:**

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

**Free Customization Offerings:**

All the customers of this report will be entitled to receive one of the following free customization options:

**Company Profiling**

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

**Regional Segmentation**

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

**Competitive Benchmarking**

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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