

LIGHTHOUSE

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ESSAR PORTS: GREEN PORTS ARE THE FUTURE OF THE INDUSTRY

Piyush Kumar Pandey-B.Tech-III

Maritime industry stakeholders all over the world are increasing their contribution to the reduction of carbon footprint. While shipping companies decided to modify their vessels in order to comply with the upcoming 2020 Sulphur Cap regulation, the port industries took their own measures to cut pollution.

One of these is India's second-largest, private-sector port and terminal company by capacity and throughput, Essar Ports, that has a total operational capacity of 110 MTPA in India.

Speaking to World Maritime News, the company's CEO & MD, Rajiv Agarwal, said that Essar Ports believes that green ports "are truly the future of the industry."

Agarwal explained that the company took numerous steps and has invested in reduction of the carbon footprint at all of its four terminals by implementing technologies such as cold-fog system, sprinkling systems for dust and pollution control, completely mechanized handling facilities ensuring zero spillage and covering the entire conveyor system.

He added that these measures "have been pivotal in our vision of developing environmentally friendly facilities."

Additionally, developing deeper draft ports and terminals enabled operations with larger parcel size "which further the initiative lowering carbon footprint. We will continue to invest in modern technologies which ensure cargo handling through environmentally friendly means."

Essar Ports' terminals are focused on bulk and dry bulk cargoes that are primarily used as raw material in core sector industries, like steel, power and cement.

So far, the company has invested more than USD 1.6 billion in the development of port terminal facilities in India. Essar Ports said that its terminals are not only capable of handling the biggest ships sailing today "but also provide one of the best turnaround times of India," contributed by the modernization and development of the company's Vizag iron ore handling complex. The iron ore handling complex can now berth Super Capesize vessels

up to 200,000 dwt, with a depth of 20 metres. The 24-million-tonne terminal has seen a growth rate of 45% in overall cargo throughput driven by a sharp increase in new customers, the company explained. Speaking about Essar Ports' future plans, the CEO noted that the company is always on the lookout for opportunities to grow its businesses as the four terminals have further expansion possibilities.

"Our target is to grow at a rate of more than 20% in the near future. To achieve this growth we have put a strategy in place to expand our customer base in the near future. The focus is now on increasing revenue, diversifying cargo base, optimizing costs, and improving our operational and financial performance."

During the first quarter of the year, Essar Ports reported a 17.4% growth in cargo volumes across its four terminals. The combined throughput stood at 13.5 million tonnes, up from 11.5 million tonnes in the same period of 2018. Of the four terminals, the Salaya and Vizag terminal showcased

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a strong performance in cargo handling with a striking increase in third-party cargo utilization thereby helping the company achieve its target of handling 60 million tonnes of cargo by the end of the current financial year.



World Maritime News Staff; Image Courtesy: Essar Ports(Hazira Port)

AIR QUALITY STILL TOP ENVIRONMENTAL PRIORITY FOR EUROPEAN PORTS

Peet Baran Goshal-B.Tech-III



Air quality continues to be the top environmental priority of the European ports this year as well, according to the Environmental Report for 2019 published by the European Sea Ports Organization (ESPO). Presented at the GreenPort Congress in Oslo on October 17, the 2019 report encompasses

a total of 94 ports. As explained, it includes more than 60 different environmental performance benchmarks including figures on the green services to shipping — shore-side electricity, LNG and environmentally differentiated port dues — as well as the Top 10 environmental priorities for 2019. Followed by energy consumption, air quality has become a key determinant of public “acceptance” of port activity in the years to come, ESPO said. Climate change, included in the Top 10 for the first time two years ago, is in 2019 the third top priority. Almost eight out of ten European ports take

CONTENTS

Essar ports: green ports are the future of the industry.....	1
Air Quality Still Top Environmental Priority for European Ports.....	2
National Sports Day: 5 Women Athletes Who Made	
India Proud In 2019.....	3
MARINCO2019.....	4
Top 10 Must-Visit Biggest Libraries of India.....	5
TCS Marathon, Bangalore.....	7
Special Honors At The Alumni Meet Of NIT ,Trichy.....	8

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climate change into consideration when they develop new infrastructure projects. Furthermore, 62% of ports strengthen the climate resilience of existing infrastructure and 47% of them have already dealt with operational challenges due to climate change.

The relationship with the local community, which is of utmost importance for ports, is in position five this year. The 2019 citizen is stronger, better informed and more engaged. The local community is the new influencer and this is also for ports an important reality, the report finds.

Transparency is said to be a high priority with 87% of the ports communicating their environmental policy to the stakeholders and 82% of them making it publicly available on their website. With regard to the green services to shipping, more than half of the ports are offering shore-side electricity for ships at berth (OPS) and 48% of them are providing high voltage electricity for seagoing vessels. One third of them have made LNG bunkering available, LNG being mainly provided by trucks (90%) and by barges (20%). In parallel, 56% of ports provide environmentally differentiated fees for ships that go beyond regulatory standards, with air

emissions, waste and climate change being the main targets of these discounts.

In addition, 71% of the ports are certified with an environmental standard, a rise of 17% since 2013. 82% of ports have set up an environmental monitoring program, with waste being the most monitored issue.

“In this year’s report, we see that ports continue to invest in green infrastructure such as shore-side electricity for ships at berth,” Isabelle Ryckbost, ESPO’s Secretary General, commented.

“However, we have to be aware of the increased investment costs and the technical challenges that prevent shore-side electricity from making today a strong business case. Increased costs relating to the connection with the grid and the electricity shortage at city or regional level are often additional barriers.”

“Importantly, the price differential remains high due to level of taxation under EU Energy Taxation Directive and national levies applied to electricity price. Uncertainty on the use and the prospect of other promising technologies such as hydrogen makes it difficult to decide,” Ryckbost further said.

Courtesy: world maritimeneews.com

NATIONAL SPORTS DAY: 5 WOMEN ATHLETES WHO MADE INDIA PROUD IN 2019

Shika Prasad-B.Tech-III

National Sports Day: Here’s a look at the top Indian female athletes from Hima Das to Dutee Chand, who made the country proud by winning multiple accolades in 2019.



Indian women athletes of 2019. (Image: PTI (top right))

It’s been raining gold on Indian women athletes, who are no less of a powerhouse when it comes to winning medals and championships for the country. On this National Sports Day, here’s a look at the top Indian female athletes who made the country proud by winning multiple accolades in 2019.

1. Dutee Chand - First Indian to win a 100m gold in a global event

National record holder Dutee Chand became the first Indian woman track and field athlete to clinch a gold medal at the 30th Summer University Games in Napoli, Italy after she won the 100m dash event in July this year. The 23-year-old Dutee clocked 11.32 seconds to win the gold as she led the race from start to finish. She’s only the second Indian sprinter to win a gold in a global event after Hima Das, who clinched the top spot in 400m in the World Junior Athletics Championships last year.

2. Hima Das - Won 5 gold medals in 20 days

- July 2, Poznan: 200m gold (23.65 seconds)
- July 7, Kunto: 200m gold (23.97 seconds)
- July 13, Kladno: 200m gold (23.43 seconds)
- July 17, Tabor: 200m gold (23.25 seconds)
- July 20, Prague: 400m gold (52.09 seconds)

These are the timings of Hima Das, who won five successive gold medals in different meets across Poland and the Czech Republic in July within 20 days. Four of

her victories came in the 200m sprint while her fifth top-podium finish was in the 400m event.

Hima Das is the second-fastest Asian, featuring in the top-10 under-20 runners in the world in the discipline in 2019.

Das is also in the top-20 list of fastest sprinters under the age of 20 in the 200m event.

3. PV Sindhu - First Indian to win World Championships

- 2013 - Bronze
- 2014 - Bronze
- 2017 - Silver
- 2018 - Silver
- 2019 - Gold

PV Sindhu on August 25 became the first Indian to win gold in BWF World Badminton Championships by beating familiar rival Nozomi Okuhara of Japan in a lop-sided final in Basel. The Indian won 21-7 21-7 in the summit clash that lasted just 38 minutes.

Sindhu is also the joint-most successful women's



singles shuttler at the world meets, having won five medals in just six appearances



4. Manasi Joshi - Won BWF Para-Badminton World Championship

Para-badminton player Manasi Joshi also created history by securing gold at the BWF Para-Badminton World Championships, just a day before Sindhu. Joshi defeated Parul Parmar in the SL3 category (a category that includes players who could have an impairment in one or both lower limbs and have poor walking or running balance) of the women's singles category.

5. PU Chitra - Clinched gold in women's 1500m race

India's middle-distance runner PU Chitra ran her season's best to win the women's 1500m gold at the Folksam Grand Prix in Sweden in June this year. Chitra, who won the gold in the Asian Championships in April, clocked 4 minute 12.65 seconds to finish ahead of Kenya's Mercy Cheronu.

Courtesy:indiatoday.in



MARINCO2019

Chandran Murthi, PRO

Indian Maritime University (IMU) and Academy of Maritime Education and Training (AMET), deemed to be University jointly organized an International Conference MARINCO2019 on 4th & 5th November 2019 at IMU Headquarters, Chennai.

The Maritime International Conference MARINCO2019- is an endeavour in the direction of promoting research in our country to address the needs of Industry and Government.

The major theme of the conference was "Trends in Marine Science and Technology"

RLINS participated and staged an exhibition stall for the promotion and showcasing its achievements.

Mr. M.Subramanian, Advisor-Technical briefed on some of the important features of RLINS and the courses offered by us to the audience. RLINS promotional videos were played continuously and brochures were distributed to all the participants. In the Technical session, professionals and students presented papers on various current topics in the maritime industry.

RLINS received the memento for the participation in the International Conference MARINCO 2019 held on 4th & 5th November 2019 at IMU Headquarters, Chennai.



Mr.M.Subramanian ,Advisor-Technical, Mr.Prabakaran, Mr.Chandran Murthy, PRO and Cadets of B.Tech –IV year

TOP 10 MUST-VISIT BIGGEST LIBRARIES OF INDIA

Manikandan –B.Tech-IV

All the bibliophiles out there, check out the list of 10 libraries in India with amazing collections to satiate your thirst for reading.

Must-visit libraries

With the advent of smart phones and kindle, it seemed that the era of reading proper paperback books were over. However, even today if you ask a book lover about their fantasy most of them would say: ‘reading a book in a nook of a beautiful library’.

The fact of the matter remains that even if the technology is progressing, nothing can take away



the charm of reading a paperback book or even the romance of being in a library surrounded by books! For all those reading addicts, here is the list of 10 must-visit libraries in India that have amazing collections:

1. The National Library of India, Kolkata:



- It is the largest library in the country by volume and India’s library of public record
- It was established in the year 1836
- It houses 26,41,615 books along with other periodicals, maps, manuscripts etc
- It is spread in an area of 30-acres
- It was opened to public on February 1, 1953

2. Delhi Public Library:

- It was started as a UNESCO project in the year 1951 by the Govt. of India
- It is the busiest Public Library in South Asia
- It has a collection of about 18 lakh books in Hindi, English, Urdu, Punjabi & other Indian Languages- almost all subjects are represented in its collection
- The Library is also the 4th recipient library under the provision of Delivery of Books & Newspaper (Public Libraries) Act 1954

3. Saraswathi Mahal Library or Tanjore Maharaja



Serfoji’s Sarasvati Mahal Library, Tamil Nadu:

- It is housed within the campus of Thanjavur Palace and had started as a royal library for the Nayak Kings of Thanjavur
- It has a rare collection of palm leaf manuscript in



various regional languages of India

- It came under the possession of the state of Tamil Nadu in the year 1918
- In the year 1998, the library installed computers to computerise library activities
- The library preserves all the manuscripts in the form of microfilms

4. Anna Centenary Library, Chennai, Tamil Nadu

- It was inaugurated on September 15, 2010



- The total built up area of this centralised air-conditioned library is 3.75 lakh sq. ft., which encompasses ground and eight floors
- It has a collection of 5 lakh books
- It also has a Braille section to cater to the needs of the blind readers
- It has a huge Conference Hall that can facilitate 150 members

5. Krishnadas Shama Central Library, Goa

- It was established on September 15, 1832 by Vice Roy



Dom Manuel de Portugal e Castro as 'Publica Livraria.'

- The status of Library was raised to that of a National Library on February 15, 1897
- It has more than 1.8 lakh books in different languages
- The total pre-liberation collection is over 40,000 volumes

6. Allahabad Public Library, Allahabad, Uttar Pradesh

- It has a collection of about 1.25 lakh books on various subjects
- It has rare Arabic manuscripts along with papers of Parliament

7. Smt. Hansa Mehta Library, Baroda, Gujarat



- It is the University Library of M S University of Baroda
- It was established on May 1, 1950
- The total built up area of the Library is 80,025 sq. ft
- It has a single largest Reading Room of 10,600 sq. ft. which can accommodate about 1100 readers at a time
- It has an impressive collection of rare books that include books as old as those dated back to sixteenth century
- Approximately 3,500 books are preserved in this precious collection, which comprises some noteworthy titles, which are out of Print

8. Connemara Public Library, Chennai, Tamil Nadu



- It was established in the year 1896
 - It is one of the four National Depository Libraries, which receive a copy of all books, newspapers and periodicals published in India
 - It serves as a depository library for the UN
- 9. State Central Library, Thiruvananthapuram,**



Kerala

- It was established in the year 1829 A.D
- It has a total collection of 3,67,243 documents in different languages such as English, Malayalam, Hindi, Tamil, Sanskrit in various disciplines
- The library subscribes to 27 dailies and 215 journals including foreign journals

10. State Central Library, Hyderabad



- It has an impressive collection of 5,01,861 books
- It also has a collection of about 17,000 rare and valuable manuscripts dating back to 5th and 6th centuries

Courtesy:Indiatoday.in



Mr. Ananada Das ,Senior Faculty along with his daughter Ms.Audreza takes part in Bangalore marathan



Mr. Ananada Das ,Senior Faculty along with his daughter Ms.Audreza took part in TCS marathon/half marathon covering the distance of 21km held at Bangalore on 19 th May,2019. Mr. Ananada Das ,Senior Faculty ran 5km to complete the finishing line.



Mr. Ananada Das ,Senior Faculty takes part in Delhi Airtel run held at New Delhi on 20th October ,2019 covering the distance of 5 km.

MR. S.UMAMAHESWARAN AND MRS. UMA MAHESWARAN FELICITATED SPECIAL HONOURS AT THE ALUMNI MEET OF NIT ,TRICHY.

Our Senior Faculty Mr.S.Umamaheswaran & his better half Mrs.Uma were honoured with the “Best Couple Award” during the recent Golden Jubilee Batchmate Alumni meet held at NIT & SRM Hotel,Trichy .The Gala events(4 days) brought memories to cherish among the Batchmates,their Spouses ,Children & Grand Children,who participated from all corners of the world Present NIT Students entertained their Seniors with music, dance and other cultural programmes



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