



Conference on

PORT MODERNISATION AND MECHANISATION

Increasing Productivity and Efficiency

April 25-26, 2017, ITC Maratha, Mumbai

Organiser:



Sponsors*:



*Lead and co-sponsorship slots are available.

PORT MODERNISATION AND MECHANISATION

Mission

- The level of mechanisation at Indian ports, primarily major ports, is quite low. Most of the commodities are handled by conventional means. Around 60 per cent of the total dry bulk cargo at major ports is handled by non-mechanised means that include multiple handling.
- This has led to increased turnaround time and cargo dwell time at ports. In 2015-16, the average pre-berthing time (on port account) for mechanical handling of dry bulk cargo at major ports was 1.53 hours, compared to 6.53 hours for conventional handling. Also, a significant amount of equipment at these ports has become obsolete and severely constrained their capacity.
- Non-major ports, especially private ports, on the other hand, have fared well on the mechanisation front due to new, modern equipment, higher efficiency levels, deeper draughts, etc.
- However, overall, Indian ports are far behind international ports in terms of efficiency. The shortage of trained and skilled manpower for operating advanced equipment has been another concern area for both major and non-major ports.
- With this background, modernisation and mechanisation have become a key focus area for port operators. This has primarily been driven by the need for efficiencies in cargo handling, cost reduction, and improvements in customer service.
- Ports are using IT solutions for various aspects of their operations, including loading and unloading of cargo, billing, vessel and cargo tracking, gate operations, customs and customer service. All the 12 major ports and six non-major ports in India have been integrated online with a port community system (PCS) that covers around 92 per cent of the total exim trade by volume. The shipping ministry has directed all major ports to have a radio frequency identification system (RFID) by March 31, 2017.
- The government's flagship programme, Sagarmala, also has modernisation as one of its core components. The programme focuses on promoting ease of doing business, using electronic channels for information exchange, establishing a single-window clearance system, installing container scanners, implementing radio frequency identification, gate automation, etc.
- Going forward, the opportunity for mechanisation and modernisation at Indian ports is enormous. Improving efficiency at yards, berths and port gates by deploying IT solutions and modern equipment is necessary. Ports also need to create specialised high capacity berths, supported by state-of-the-art equipment and skilled and trained manpower. Customs procedures at ports need to be made more efficient by facilitating online submission of documents and forms, providing single-window clearances, obtaining more container scanning equipment, etc.
- **The mission of this conference is to identify the opportunities and future potential for mechanisation in the port sector. It will also highlight the latest innovations and the most promising and relevant technologies for Indian ports.**

Target Audience

The conference is targeted at:

- Major and minor ports
- Private and public port operators
- Maritime boards
- State port departments
- Captive port and jetty operators
- Contractors
- Port automation and solution providers
- Consultancy organisations
- Security and surveillance solution providers
- Equipment manufacturers
- IT solutions and technology providers
- VTMS solution providers
- Equipment leasing companies
- Logistics companies
- Investors/Private equity firms
- Banks and financial institutions
- RFID system providers
- Etc.

Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sector in India. The company publishes **Indian Infrastructure** magazine. It also publishes **Ports in India**, **Dredging in India**, **Container Market in India** and **Railways in India** research reports, **Ports & Shipping News** (a weekly newsletter) and the **Ports Directory and Yearbook**.

AGENDA/STRUCTURE

KEY TRENDS AND OUTLOOK

- ❖ What is the current state of the port sector in India?
- ❖ What are the key trends relating to the use of IT in the Indian port sector? What are the key needs and requirements?
- ❖ What are the key issues and challenges?

PORT OPERATOR VIEWPOINT (MAJOR AND NON-MAJOR PORTS)

- ❖ What are the current technologies and equipment used at ports?
- ❖ What is the opportunity for mechanisation at ports in India?
- ❖ What are their future needs and requirements?

FOCUS ON PORT DESIGN

- ❖ What are the most promising technology solutions for port construction and design?
- ❖ What are some of the new materials being used?
- ❖ What are the global best practices for port design?

TECHNOLOGY FOR GREEN AND SUSTAINABLE PORTS

- ❖ What are the steps being taken to improve energy efficiency in port operations?
- ❖ What are the technology options available in this regard?
- ❖ What are the recent global advances?

IMPROVING EQUIPMENT UTILISATION

- ❖ What are the key challenges faced in terms of equipment utilisation?
- ❖ How are ports dealing with these challenges?
- ❖ What are the technology solutions being deployed to improve equipment utilisation?

ROLE OF IT AND AUTOMATION IN PORTS

- ❖ What is the role of IT and automation in port operations?
- ❖ What is the current status of IT adoption by the port sector in India?
- ❖ What is the future outlook?

ERP IMPLEMENTATION AT PORTS

- ❖ What are the emerging ERP requirements of the Indian port sector?
- ❖ What are the new enhancements offered by the vendors?
- ❖ What are the key issues and challenges?

VESSEL TRAFFIC MANAGEMENT SYSTEM (VTMS)

- ❖ What is the current scenario with regard to the implementation of VTMS at Indian ports?
- ❖ What are the emerging requirements?
- ❖ What are the key issues and challenges?

PORT COMMUNITY SYSTEM

- ❖ What is the current scenario with regard to the implementation of PCS at Indian ports?
- ❖ What are the emerging requirements?
- ❖ What are the key issues and challenges?

FOCUS ON EQUIPMENT INNOVATIONS

- ❖ What are the different equipment options and the most promising applications in the port business (RTGCs, RMQCs, RMGCs, forklift trucks, reach stackers, trailers, etc.)?
- ❖ What are the costs and benefits? What has been the experience so far?
- ❖ What have the recent global advancements?
- ❖ What are the key needs and requirements?

SAFETY AND SURVEILLANCE SYSTEMS

- ❖ What are the various technologies used for surveillance and safety (RFID, CCTVs, biometric-based access control, etc.)?
- ❖ What are the key issues and challenges?
- ❖ What are the recent global advances?

RFID SYSTEMS

- ❖ What is the present status of RFID implementation at ports?
- ❖ What are the key issues and challenges?
- ❖ What are the recent global advances?

IMPROVING CUSTOMS PROCEDURES

- ❖ What measures have been taken to reduce the transaction time and promote ease of doing business at Indian ports?
- ❖ What has been the experience in implementing these measures? What have been the key benefits?
- ❖ What are the key issues and challenges?

Previous participants

Some of the companies that participated in our previous conference include: ABB, Adani Ports and SEZ, AECOM, Aeromarine Equipments, APM Terminals, BAM International, Beckett Rankine India, Beumer, Cargotec India, Caterpillar, Cavotec, COWI, Daimler, DBM Geotechnics, Deloitte, Dextra, Dhamra Port, Directorate of Ports Kerala, DP World, Egis, Ernst & Young, Essar Shipping, Feedback Infra, FLSmidth, Fugro Survey, GMMCO, Gujarat Maritime Board, Gopalpur Port Limited, Hindalco, Horizon Geosciences, HPCL, HR Wallingford, India Futuristic Marine, IFS, IIFC, IOCL, Indian Ports Association, Indra Sistemas, Innovative B2B Logistics, IRM Offshore, JNPT, JCB India, JSW Jaigarh Port, JSW Steel, JSW Infrastructure, Kale Logistics, Konecranes, L&T ECC, L&T GeoStructure, Liebherr India, Modest Infrastructure, Mormugao Port Trust, Motorola Solutions, Mumbai Port Trust, Nargol Port, National Instruments, Norinco, NYK Line, Odjell SE, Oiltech Engineering, Phoenix Conveyor, Portrucks Equipments, Reliance Industries, Rolls Royce Marine, SAP, Shoft Shipyard, Simar Port, SKS Logistics, Smag Peiner Grabs, STFA, TBA, TAKRAF India, TCE, Terex, TIL, TMEIC Industrial Systems, Touax Texmaco, TIL, Transas, Ultratech Cement, V&V Comptec Systems, Vizhinjam International Seaport, V.O.Chidambaranar Port Trust, Yash Raj Ports, ZPMC Engineering, etc.

Conference on

PORT MODERNISATION AND MECHANISATION

Increasing Productivity and Efficiency

April 25-26, 2017, ITC Maratha, Mumbai

Registration Form

I would like to register for the conference. I am enclosing Rs _____ vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of **India Infrastructure Publishing Pvt. Ltd.** payable at New Delhi.

Please send wire transfer payments to:

Beneficiary	India Infrastructure Publishing Private Limited	Bank Account No.	094179587002
Bank Name	The Hongkong and Shanghai Banking Corporation Ltd	Swift Code	HSBCINBB
Bank Address	R-47, Greater Kailash-1, New Delhi-110048, India	IFSC Code	HSBC0110006

Sponsorship opportunities are available

Name(s)/Designation (IN BLOCK LETTERS)

Company

Mailing Address

Phone

Mobile

Fax

Email

Registration Fee

Delegates	Fee			
	INR	Service tax @ 15%	Total INR	Total USD
One delegate	25,000	3,750	28,750	479
Two delegates	40,000	6,000	46,000	767
Three delegates	55,000	8,250	63,250	1,054
Four delegates	70,000	10,500	80,500	1,342

- Registration will be confirmed on receipt of the payment. To register online, please log on to <http://indiainfrastructure.com/conf.html>

Payment Policy:

- Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

For sponsorship opportunities, contact: Richa Jhamnani
Tel: +91-11-46012961, 41034615, +91-9971992998

For delegate registrations, contact: Rajni Rathore
Tel: +91-22-66089514, +91-9810887899

Conference Cell, India Infrastructure Publishing Pvt. Ltd., B-17, Qutab Institutional Area, New Delhi 110016.
Fax: +91-11-26531196, 46038149. E-mail: conferencecell@indiainfrastructure.com