



**The Exclusive B2B Event
for Wind & Hybrid Energy**

**27-29 NOVEMBER 2024, BEC
NESCO, GOREGAON (E), MUMBAI**



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NESCO, GOREGAON (E), MUMBAI**



WORLD EXPO | SUMMIT | AWARDS
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**CELEBRATING
PM MODI 3.0**

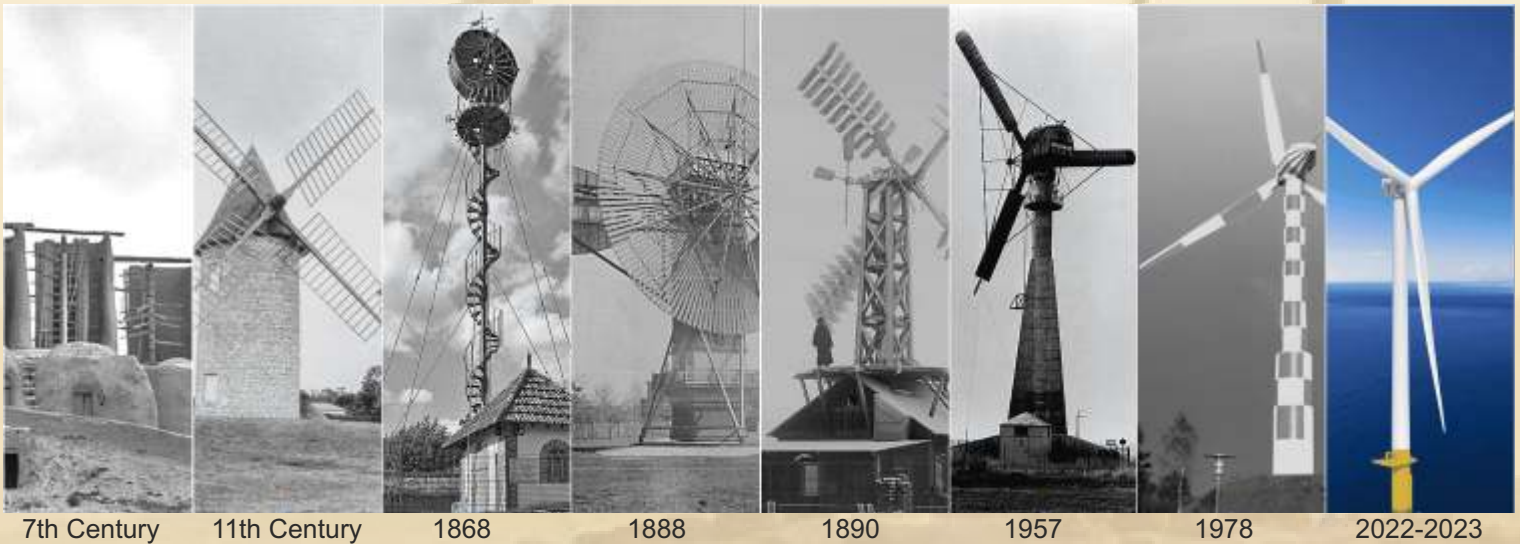


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The Union Cabinet, chaired by Prime Minister Shri Narendra Modi, today approved the Viability Gap Funding (VGF) scheme for offshore wind energy projects at a total outlay of Rs.7453 crore, including an outlay of Rs.6853 crore for installation and commissioning of 1 GW of offshore wind energy projects (500 MW each off the coast of Gujarat and Tamil Nadu), and grant of Rs.600 crore for upgradation of two ports to meet logistics requirements for offshore wind energy projects.

INDIA'S PREMIUM WIND ENERGY EVENT

It's here. Finally, a comprehensive platform that caters to the current needs of all stakeholder in the Wind & Hybrid Renewable Energy ecosystem. This mega showcase of India's wind energy sector will have on display Central & State Government initiatives, besides foreign and Indian market-leaders highlighting the latest technologies, equipment and solutions for the wind & related industries. Wind energy is crucial to India's efforts in achieving 50% of its electric power installed capacity from non-fossil fuel-based energy resources by 2030 and net zero by 2070. The Government of India has fixed a target of 500 GW of Renewable Energy by 2030 out of which 140 GW will be from Wind. The National Institute of Wind Energy (NIWE), has installed over 900 wind-monitoring stations all over country and issued wind potential maps at 50m, 80m, 100m, 120m and 150m above ground level. The recent assessment indicates a gross wind power potential of 695.50 GW at 120 meter and 1163.9 GW at 150 meter above ground level. Less than 10% of India's vast wind resource is tapped.



WIND RE INDIA OBJECTIVES

WIND RE INDIA has as its objectives to catalyse the country's net-zero & COP targets by aiding:

- A Diversified & Synergized RE Portfolio
- Increased Wind Power Capacity Addition
- Sustainable Wind & Hybrid RE Generation
- Expansive Onshore & Offshore Installations
- Stakeholders' Joint-ventures & Trade Tie-ups
- Higher Hub Heights & Bigger Rotor Diameters
- International Collaboration for De-carbonization
- Energy Security, Forex Savings, Employment Generation, etc.



EXHIBIT & YOU CAN

- ✂ Meet with those currently interested in your business
- ✂ Network with influential clients & generate leads
- ✂ Market your products, services and destinations
- ✂ Strengthen relations with existing customers
- ✂ Sign long-term deals & explore new markets
- ✂ Expand or create a network of partners
- ✂ Recruit new agents and distributors
- ✂ Launch new products and packages
- ✂ Test the market & collect feedback
- ✂ Survey trends & make contacts
- ✂ Target your right audiences`



SOME HIGHLIGHTS

- ✂ Key Purchasers
- ✂ B2B + B2C Visitors
- ✂ International Marketing
- ✂ World Industry Leaders
- ✂ Foreign & Indian Visitors
- ✂ Service Providers & Professionals
- ✂ Awards, Competitions & Workshops
- ✂ Government Boards, Export Promotion, etc.



MULTI-PRONGED WORLDWIDE MARKETING



Social Media & Telecom



Associations & Chambers



Media Briefings



English Newspapers



Special Invitations



Radio FM



Vernacular Dailies



TV & Cable Channels



In Venue Displays



Outdoor Publicity



Online Marketing



Business Visits

SHELL SCHEME BOOTH & RAW SPACE

- There are 2 types of booths - Shell and Raw Space - with MRP at Rs.16,000 and Rs. 15,500 respectively. Final Rate depends on various factors like location, category, early-bird bookings, etc. Limited Booths Only.
- **Get in touch before July 2024** for discounted MSME or Early-bird rates - 25% to 50% depending on category & government subsidy received.
- Front stalls are premium ones for sponsors and priced higher. GST at 18% applicable on all payments.
- Overseas Exhibitors pay 250 US \$ per sq mtr for shell scheme booths.
- Shell includes table, chairs, lights, panels, fascia, plug-point, dust-bin, etc.
- 15 - 20 % premium on 2 / 3 side open corner booths.

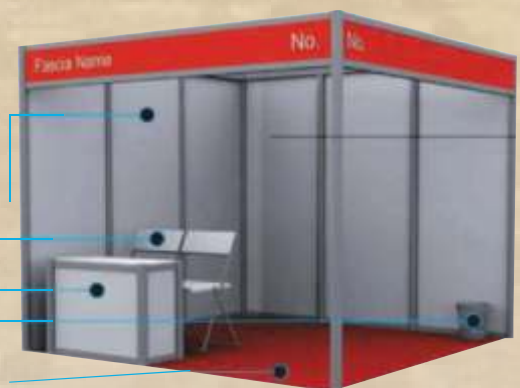
White Panels

2 Chairs

Table

Waste Basket

Carpet



WIND ENERGY INDUSTRY SCENARIO

Wind power constitutes about 10% of India's total installed capacity and a substantial 25% of its overall renewable capacity. India's aspirations are high, with approximately 11 GW of wind projects currently under construction. The government plans to award around 10 GW of wind projects annually, starting from 2024, to meet its ambitious RE targets. The integration of wind and solar power generation is driving India's wind energy expansion. Many states with high wind potential also have abundant solar resources, such as Tamil Nadu, Karnataka, Maharashtra, Andhra Pradesh, Rajasthan, and Gujarat. This synergy allows for greater benefits, with wind-solar hybrid projects capable of achieving a capacity utilization factor (CUF) of up to 65%, compared to the 20%-40% CUF of standalone projects.

With demand for wind power coming from various sectors, including central, state, and commercial and industrial procurement, it is estimated that India will witness the commissioning of 70-80% of new wind capacity auctioned in the next five years. This demand is crucial for distribution companies (DISCOMs) that require a consistent power supply for efficient planning. To ensure grid stability, a mix of renewables and other sources, including energy storage systems (ESS), is required. Initiatives aimed at repowering — which entail swapping out outdated parts for more modern turbines — will improve project economics and accelerate the expansion of wind installations in India. Additionally, the expected increase in Renewable Purchase Obligation (RPO) targets, reaching up to 30% by FY25 and 43% by FY30, will further bolster demand growth.

The coastal states of Tamil Nadu and Gujarat are identified as having a significant offshore wind energy capacity, exceeding 70 GW. This potential can be achieved with the support of government Viability Gap Funding (VGF) for the initial stages of 1-2 GW, or until the tariffs become economically feasible for off-takers, including DISCOMs and Commercial & Industrial (C&I) customers, enabling them to purchase power at competitive rates. India has an offshore wind energy potential of around 70 GW in parts along the coast of Gujarat and Tamil Nadu. The expansion of the wind industry has resulted in a strong ecosystem, project operation capabilities and manufacturing base of about 15000 MW per annum. Adani Wind's 5.2 MW wind turbine received certification in mid-2023. This is the largest wind turbine in India and will be produced for the domestic and international markets. However, this is still a fraction of the size compared to the world's largest wind turbine, which has a capacity of 16 MW.

GOVERNMENT POLICIES & SUPPORT

The Modi Government over the last 10 years has taken the Policy Repowering (2016) and Wind-Solar Hybrid Policy (2018) further with the Offshore Wind Energy Policy to develop offshore wind energy in the Exclusive Economic Zone (EEZ) along the Indian coastline of 7600 km. The ambitious targets set forth in the National Electricity Policy (NEP), the renewable sector in general and wind energy in particular is poised for unprecedented growth. India set to boost wind energy capacity to 25 GW by 2028, with Rs. 2 Lakh Crore investment. This growth is driven by a shift from standalone wind projects to integrated "Wind-Solar" and "Wind-Solar-Battery" hybrid projects. These projects are designed to meet Firm and Dispatchable Renewable Energy (FDRE), Round the Clock (RTC), and Peak Power (PP) demands. With an existing 45 GW of installed wind capacity (out of 190 GW of non-fossil renewable energy capacity), India aims to triple its wind capacity by 2030.

Key initiatives include setting a trajectory for Wind Renewable Purchase Obligation (RPO) up to 2030, waiver of Inter-State Transmission System (ISTS) charges for inter-state sale of solar and wind power for projects to be commissioned by June 30, 2025, and a tariff based transparent Competitive Bidding Process for power procurement from grid-connected projects, to enable the distribution licensees to procure RE power at competitive rates in a cost-effective manner. India boasts a domestic wind turbine assembly capacity of 15 GW, with two-thirds available for the burgeoning onshore wind market. The adoption of 3 to 4 MW+ rated Wind Turbine Generators (WTGs) with 160 M hub height and rotor diameter, and carbon fiber / split blades, marks significant efficiency improvements for cost-optimal logistics.

The Government is promoting wind power projects in entire country through private sector investment by providing various fiscal and financial incentives such as Accelerated Depreciation benefit; concessional custom duty exemption on certain components of wind electric generators. In addition to fiscal and other incentives, the government has Issued Guidelines for Tariff Based Competitive Bidding Process for Procurement of Power from Grid Connected Wind Power Projects for standardization of the bidding process and defining of roles and responsibilities of various stakeholders. Technical support including wind resource assessment and identification of potential sites through the National Institute of Wind Energy is available.



KEY INITIATIVES

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EXHIBITOR PROFILE

MNCs, OEMs, Manufacturers, Distributors & Vendors of Wind Energy Installation Technologies & Solutions for: Onshore & Offshore Development, Generation & Distribution, System Integration, Energy Conversion, Electrical, Mechanical, Hydraulic, Maintenance, Operations, Components, Accessories, Projects, Storage, Safety, Power, Hybrids, Finance, Services, etc.

Accessories | Air Compressors | Alarm Systems & Warning Devices | Assessment & Forecasting Services | Associations | Banks | Bearings | Bird Protection Sensor | Brake Systems | Cabinets | Cooling Systems | Cables / Lines | Central Lubrication | Certification | Civil Engineering | Civil Engineering Surveyors | Climbing Equipment | Coatings | Component Repair | Components | Composites & Raw Materials | Condition Monitoring Systems | Connectors | Construction | Consultancy & Certification | Consultants & Advisors | Consulting | Control Technology | Couplings | Data Analysis & Diagnosis | Drilling Machines | Drones / UAV Systems | Education | Electrical & Electronics Items | Energy Management Systems | Environmental Impact Mitigation Measures | Farm Owners | Fiber-Reinforced Plastics (FRP) | Filters | Financial Services | Financing | Freight Forwarding | Gears & Gear Motors | Generators | Grid Connection | Grid Infrastructure | Hubs | Hybrid Power System Integrators | Hydraulic & Mechanical Items | Hydraulic Wrenches | Industry Associations | Instrumentation, Control & Regulation | Insurance | Insurance Companies | Inverters | Lifting Equipment | Lighting Tools | Lightning Protection Systems | Lubricants | Lubrication | Main Shafts | Measurement Instruments | Measuring Technology | Media | Monitoring & Analysis | Nacelle | Network Security | Old Wags | Operations & Maintenance | Patrol Boats | Pitch Systems | Plug Connector | Pumps | Quality Management | Remote Monitoring Systems | Remote Operated Vehicles | Repowering | Research & Development | Resistors | Rotor Blades | RTC Power | Safety Devices | Safety Technology | Scheduling & Forecasting | Screws & Fasteners | Seals | Sensors | Servo Motors | Slip Rings | Smart Grids | Software | Software Solutions | Spares | Stand-Alone Small Aero-Generators | Storage Systems | Testing Institutes | Tools | Towers | Trade Publications | Training | Training Institutes | Transformers | Transportation & Logistics Carriers | Valves | Weathervane / Wind Vane | WEG Erection Contractors | Wind Electric Generators (Wegs) | Wind Farm Management | Wind Measurement & Monitoring | Wind Resource Assessment | Yaw Systems

VISITOR PROFILE

Academia | Agents | Analysts | Architects | Associations | Banks & Insurance Companies | Captive Power Consumers | Channel Partners | Clean-Tech Specialists | Consultants | Corporates | Dealers | Decision-Makers | DISCOMS | Distributors | Energy Consultants | Energy Planners | Environmental Groups | Environmental Services | EPC Contractors | Facility Managers | Financial Institutions | Government Officials | Green Power Providers | Grid Operators | Industry Leaders | Independent Power Producers | Installers & Integrators | International Organizations | Investors | IPPS | Land Aggregators | Landscape Architects | Lawyers | Manufacturers & Suppliers | Media, And Trade Press | Municipalities | Non-Governmental Organisations | Non-Profit Organisations | Policy Makers | Power Consultants | Project Developers | Project Procurement Officials | PSUs | R & D Institutions | Research & Training Institutes | Service Providers | Surveyors & Appraisers | Software Solution Providers | Sr. Corporate Executives | Suppliers | System Integrators | Technology Developers | Think Tanks | Trading Companies | Utilities | Utility Providers | Venture Capitalists



WIND OVERVIEW

India's wind energy sector is led by indigenous wind power industry and has shown consistent progress. The expansion of the wind industry has resulted in a strong ecosystem, project operation capabilities and manufacturing base of about 15000MW per annum. The country currently has the fourth highest wind installed capacity in the world.

The Government is promoting wind power projects in entire country through private sector investment by providing various fiscal and financial incentives such as Accelerated Depreciation benefit; concessional custom duty exemption on certain components of wind electric generators. Besides, Generation Based Incentive (GBI) Scheme was available for the wind projects commissioned before 31 March 2017.

In addition to fiscal and other incentives as stated above, following steps also have been taken to promote installation of wind capacity in the country:

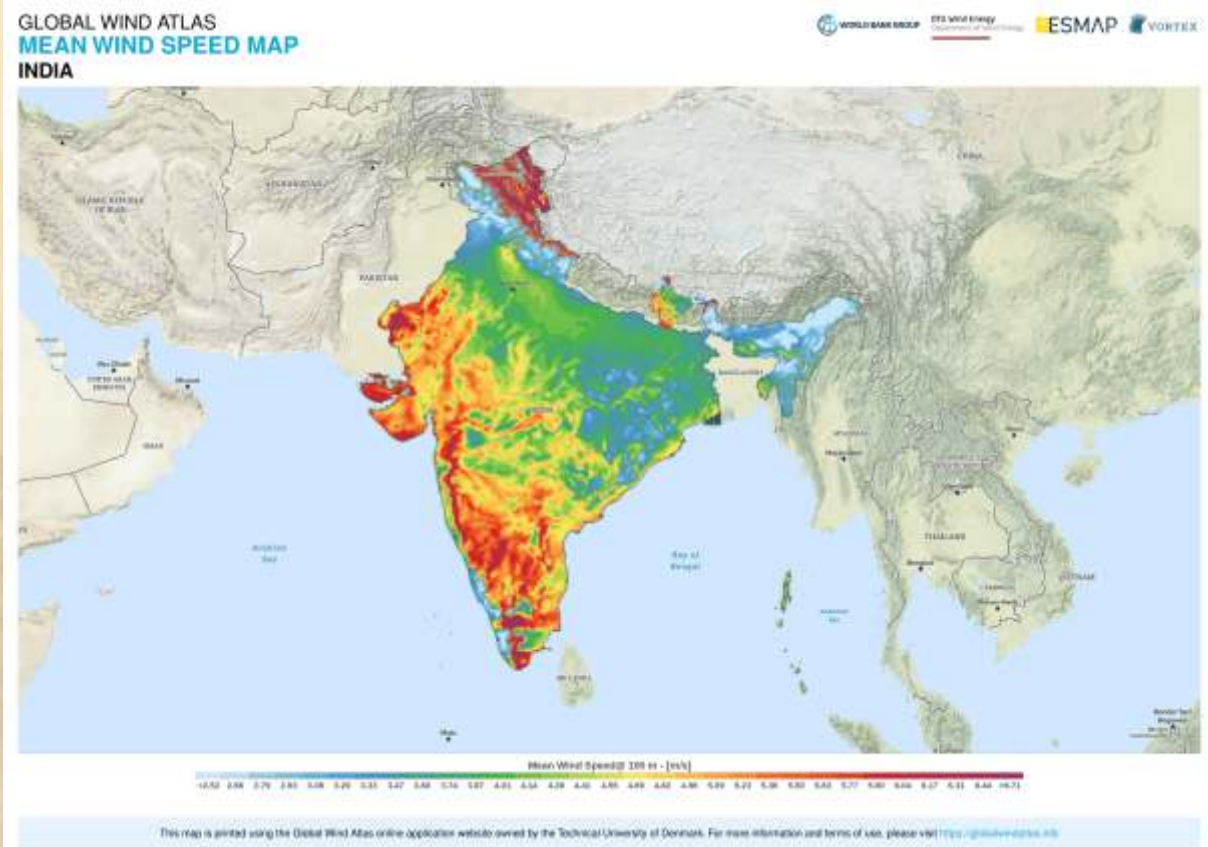
- Declaration of trajectory for Wind Renewable Purchase Obligation up to the year 2030,
- Waiver of Inter State Transmission System (ISTS) charges for inter-State sale of solar and wind power for projects to be commissioned by 30th June 2025,
- Issued Guidelines for Tariff Based Competitive Bidding Process for Procurement of Power from Grid Connected Wind Power Projects with an objective to provide a framework for procurement of wind power through a transparent process of bidding including standardization of the process and defining of roles and responsibilities of various stakeholders. These Guidelines aim to enable the Distribution Licensees to procure wind power at competitive rates in a cost effective manner.
- Technical support including wind resource assessment and identification of potential sites through the National Institute of Wind Energy, Chennai.

POTENTIAL OF WIND ENERGY IN INDIA

Wind is an intermittent and site-specific resource of energy and therefore, an extensive Wind Resource Assessment is essential for the selection of potential sites. The Government has installed over 900 wind-monitoring stations all over country and issued wind potential maps at 50m, 80m, 100m, 120m and 150m above ground level. The recent assessment indicates a gross wind power potential of 695.50 at 120 meter and 1163.9 GW at 150 meter above ground level. Most of this potential exists in eight windy States

National Institute of Wind Energy (NIWE) Attends to:

- Certification & Information Technology (C&IT)
- Testing, Standards & Regulation
- Research and Development (R&D)
- Wind Resource Assessment (WRA)
- Skill Development & Training (SDT)
- Offshore Wind Development (OWD)
- Training & Other Services



SPECIAL THANKS TO VVIPS WHO ATTENDED OUR EVENTS



President of Mauritius & CMD of Impex Chamber



Sri Lankan Minister & Kerala Health Minister



India's Minister Shripad Naik lighting the traditional lamp



India's Minister R Teli & Congo Ambassador



India's Minister PS Patel presented floral tributes



Hon Chief Minister of Goa & Impex Chamber Mg. Dir.



India's Minister Suresh P. & Vijay K. AIAI President



Union Secretary, A Sharan & Dr. Nagendra, PM's Guruji



Governor of Maharashtra & Impex Chamber MD



H. E. Governor Rao & CM Fadnavis of Maharashtra



H. E. PSS Pillai, Governor of Goa & MD of Chamber

INDIA'S RE LANDSCAPE

Globally, India has the fourth largest Installed Capacity of RE according to the International Renewable Energy Agency (IRENA). India has a total renewable energy capacity of 168.96 GW with about 82 GW at various stages of implementation and about 41 GW under tendering stage. This includes 64.38 GW Solar Power, 51.79 GW Hydro Power, 42.02 GW Wind Power and 10.77 GW Bio Power. The installed renewable energy capacity increased from 115.94 GW in March 2018 to 172.00 GW in March 2023, i.e., an increase of around 1.48 times. Other highlights include:

- 🌱 42.26% is India's share in total installed capacity globally
- 🌱 Target to reduce the carbon intensity to less than 45% by 2030
- 🌱 India has a wholly 100% solar-powered railway station in Guwhati, Assam.
- 🌱 57 solar parks with an aggregate capacity of 39.28 GW have been approved.
- 🌱 2 times increase in Wind capacity from 21 GW to now at 43.70 GW since 2014.
- 🌱 India has the world's first and only 100% solar-powered airport at Cochin, Kerala.
- 🌱 RE sources, including large hydro-power, has 176.49 GW combined installed capacity.
- 🌱 Wind Energy has an off-shore target of 30 GW by 2030, with potential sites identified.
- 🌱 30 times increase in Solar Power installed capacity from 2.6 GW to 70.10 GW since 2014.
- 🌱 India's first and the largest floating solar power plant was constructed in Wayanad, Kerala.
- 🌱 Plan made to add 50 GW of RE capacity annually for next 5 years to achieve 500 GW by 2030
- 🌱 SJVN is to be the fourth RE Implementing Agencies (REIAs) in addition to SECI, NTPC & NHPC
- 🌱 A target to set up of wind power capacity of at least 10 GW per annum is placed to be achieved.
- 🌱 India has achieved its target of 40% installed electric capacity from non-fossil fuels in Nov. 2021.
- 🌱 365.60 Billion Units (BU) of electricity have been generated during 2022-23 from renewable energy.

TRINITY - PRODUCERS OF TRADE & TECHNOLOGY EVENTS OVER 20 YEARS

Trinity, incorporated in 1994, has over the last almost 25 years emerged as India's pioneers and premium producers of International B2B, trade, technology business and specialized events.. Trinity has been official event managers for many world shows, including for the Government of Sri Lanka's TRADMED International Expo & Conference, and also produced the Made in India Expo with the Government of Mauritius, inaugurated by H.E. Vyapoori, then Mauritian President - all event organized with VVIP dignitaries and the who's who of the industry in attendance. Trinity contributes in making Hon Narendra Modi ji's dreams a reality by catalyzing the industrial & commercial worlds.

Trinity Ventures has been recognized by the American National Standards Institute (ANSI) for "organizing trade and business exhibitions, event management, media and publications" for its ISO 9001 : 2015 certification. Trinity is also a member of number of trade, professional and industrial associations – European Union Chambers of Commerce, Mahratta Chamber of Commerce, Industries and Agriculture, etc. and works actively with these agencies. Every Trinity world event addresses the needs of both foreign and Indian businesses, opening many avenues to the multi-crore indigenous market and foreign trade.

THE CHAMBER FOR IMPORT, EXPORT & HEALTH

The Chamber for Import, Export & Health is registered for promotion of commerce and not-for-profit purposes, recognized by the Union Ministry of Corporate Affairs & other relevant Government of India agencies. A large number of Union & State Ministers, Chief Ministers and foreign VIPs have attended events that The Chamber supported over the years. Its Registered Objects are:

1. To represent & promote stakeholders
2. To promote bilateral relations between India and other countries to increase: 2a – Foreign exchange, 2b – Better sourcing, 2c – Indigenous production, 2d – Export promotion, 2e – Import substitution, 2f – Knowledge sharing, 2g – Technology Upgrade, 2h – Cost-effective technologies, 2i – Pollution-free equipment, 2j – Human resource development
3. The Chamber for Import Export & Health is to undertake activities like: 3a – Organizing events, (expos, tours, seminars, workshops, conferences); 3b – Liaising with stakeholders (Govt & authorities/organizations in India & overseas); 3c – Publishing material and creating linkages between related sectors; 3d – Recognizing & honoring individuals & organizations for achievements with awards, certificates, etc.

TRINITY - 3 GUINNESS WORLD RECORD HOLDER

Here is an interesting sidelight about The Trinity Group - it is also known in the country and overseas for being holders of 3 Guinness World Records!!! After the first in 2017 (World's Largest Fish Patty – 296.5 kg) and second in 2018 (World's Largest Choco Mud Pie – 1345 kg), a hat-trick was achieved in 2019 with the (World Largest Bread Pudding – 1424 kgs) - all as part of their corporate social responsibility. Hundreds of kilos of food prepared by a huge team of 5 Star Executive Chefs & Hotel Management Students in the 3 GWRs was distributed free to the poor, hungry, orphans and senior citizen homes by Goan NGOs, who assisted.

Mr. Joseph Dias, Chairman of the group speaking to GWR authorities said – " The feeling of great accomplishment is further, heightened since it comes with the GWR credibility and the satisfaction of being able to drive a team towards a goal. The team is grateful that a high level of professionalism, dedication and the spirit of doing public good is globally recognized. The feeling of satisfaction that months of hard work was successfully brought to fruition and the feeling of deep honour to be able to put India and Goa on the world map is exhilarating".



Professional Producers

ISO 9001 : 2015

Certified by

American National Standards Institute
International Conformance Veritas



PATRON MEMBER
EU INDIA CHAMBERS



IMPORT - EXPORT
& HEALTH CHAMBER