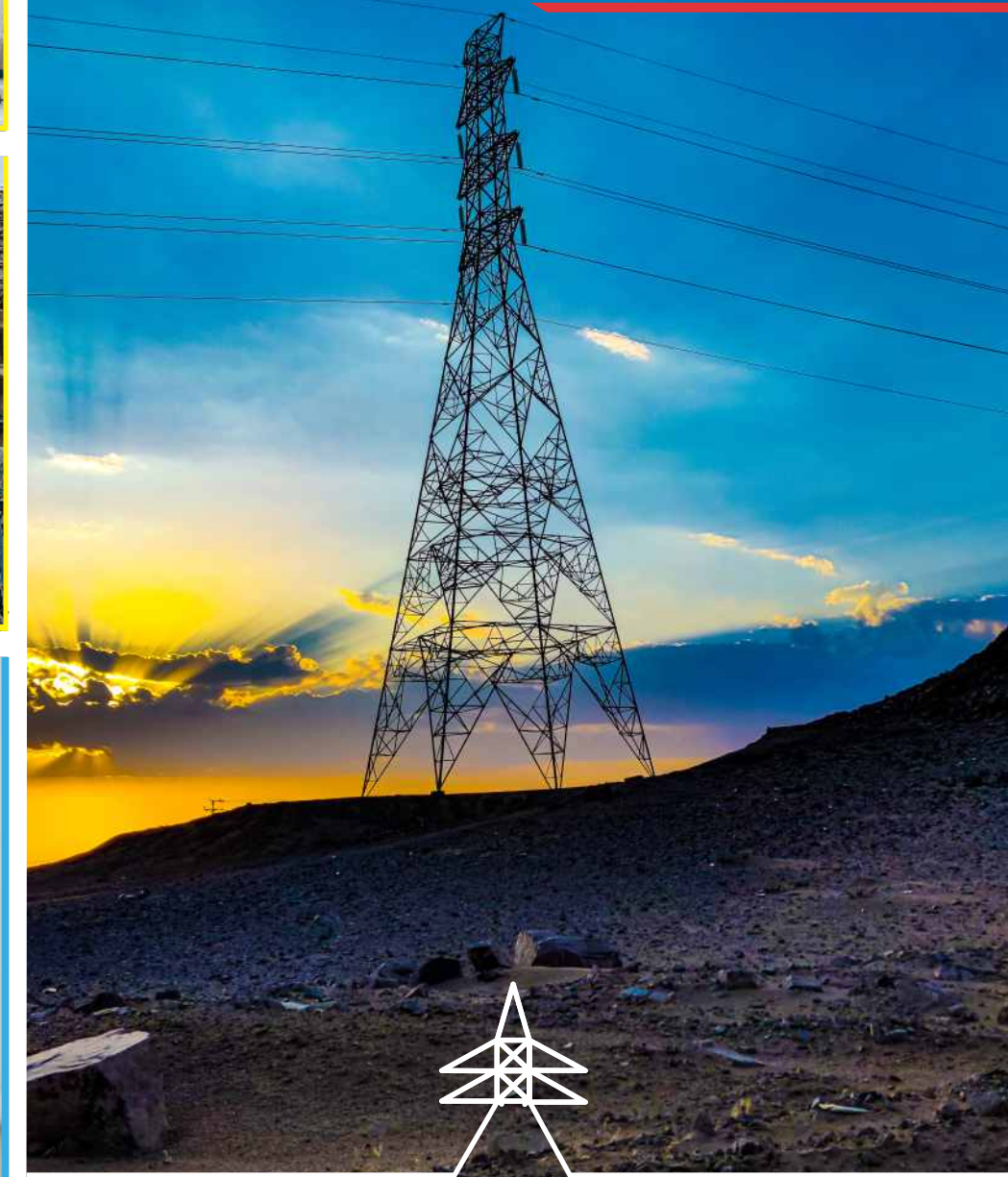


KEC INTERNATIONAL Ltd.



BUILDING INFRASTRUCTURE FOR THE WORLD OF TOMORROW



The flagship company of the RPG Group, KEC International is a global leader in Engineering, Procurement and Construction (EPC) business, with rich experience in delivering nation-building projects in key infrastructure sectors such as Power Transmission & Distribution, Railways, Civil, Urban Infrastructure, Solar, Smart Infrastructure, Oil & Gas Pipelines and Cables.

Our team of experienced professionals from across the globe is executing complex projects across some of the world's harshest terrains and conditions with unparalleled success. We have a vast in-house manufacturing footprint extending across India, Dubai, Brazil, and Mexico, to manufacture Transmission Towers, Poles, Hardware and structures for Substations, Railways & Solar, and Cables. Our global presence has enabled a robust and agile supply chain that extends across six continents in over 110 countries.

Our robust engineering & design, manufacturing, supply chain and project management capabilities, enable us to consistently deliver projects ahead of time and with superior quality. We constantly re-engineer ourselves, embrace cutting-edge mechanisation and digitalisation technologies and set new benchmarks for the industry in the areas of design, execution, quality and safety. Integrity in our actions and respect for people, environment and our stakeholders are the cornerstones of our corporate responsibility.

Empowered by a mindset driven to outperform and excel, we build infrastructure for the world of tomorrow.

7+ **DECADES**
OF EXPERIENCE
& EXPERTISE

8 **TRANSMISSION**
Tower & Cables
Manufacturing facilities

FOOTPRINT
IN **110+**
COUNTRIES

4 **TOWER**
TESTING
STATIONS

4,22,200
GLOBAL
MANUFACTURING
CAPACITY

9,000+
EMPLOYEES
35+ **DIVERSE**
NATIONALITIES



RPG Group is a global diversified conglomerate with businesses in the areas of infrastructure, tyre, information technology, pharmaceuticals, energy, agribusiness and venture capital. Founded by the legendary industrialist Dr. R.P. Goenka, the Group's lineage dates to the early 19th century.

Today, the group has several companies in core sectors of the economy: the most prominent among them being KEC International, CEAT, Zensar Technologies, RPG Life Sciences, and Harrisons Malayalam. Built on a solid foundation of trust and tradition, the RPG name is synonymous with stability, steady growth, high standards of corporate governance and a culture of respect for people and the environment.

UNLEASH TALENT

Enabling environment for people to unleash their entrepreneurial spirit and realise their full potential.

TOUCH LIVES

To understand, care and make a meaningful difference to customers, employees, society and all stakeholders.

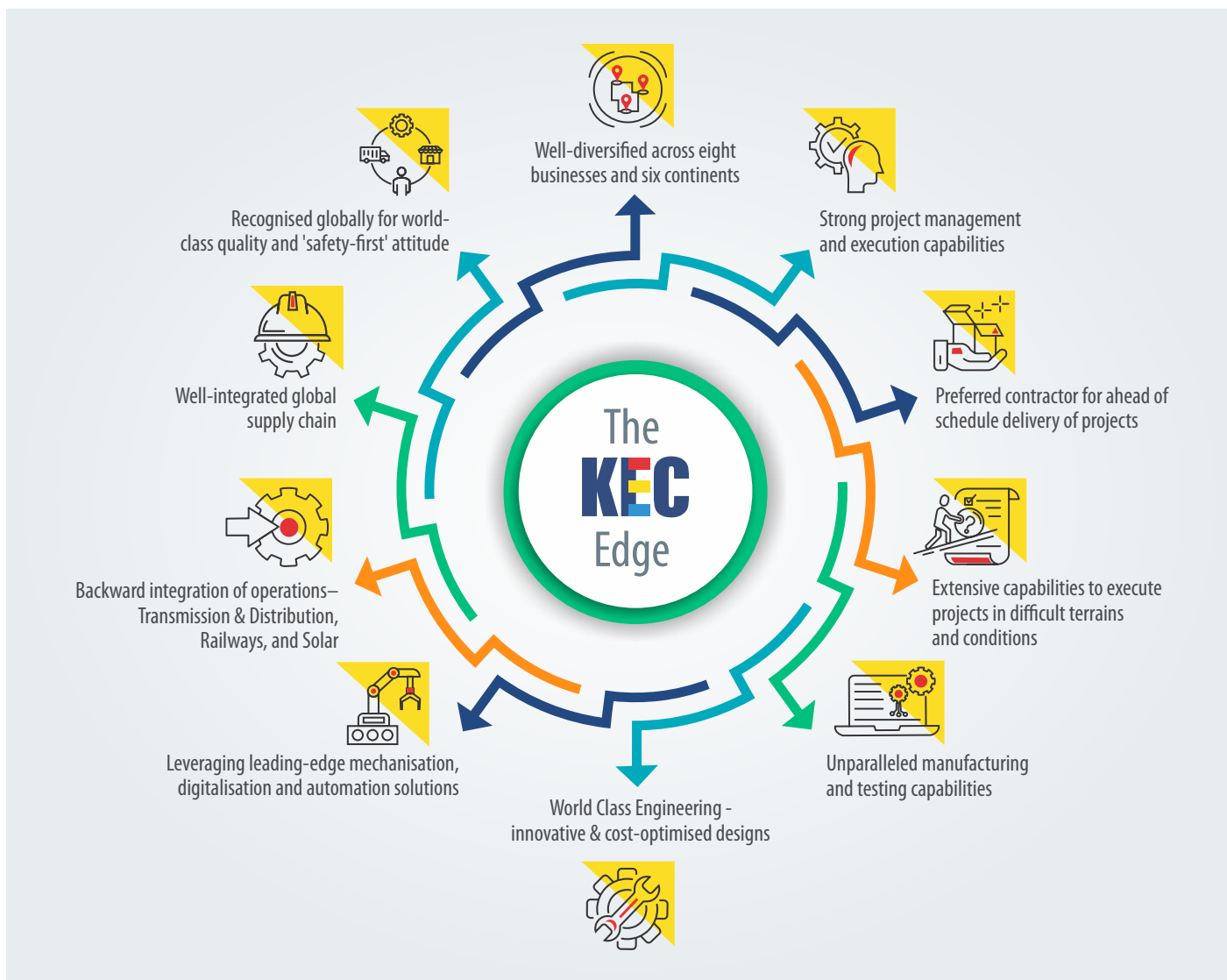
OUTPERFORM

Sustained and clear outperformance relative to all our competitors and industry on financial and non-financial metrics that matter.

VISION



To have fun by creating a high-energy environment with a keen sense of belonging and smiling faces everywhere.



Our Commitment to ESG and Sustainability

We are committed to delivering excellence and outperformance with unwavering focus on integrating Environmental, Social and Governance (ESG) factors in our business practices. Sustainable development enables us to conduct our business operations in a newer, sustainable and responsible manner. Our sustainability roadmap, developed in harmony with the evolving business landscape in India as well as our global operations, is guiding us to strengthen our commitment on focus areas that are timely and relevant for our operations as well as for our stakeholder groups. Our key focus areas include:

<p>Circularity Target: Zero waste to landfill by FY26 for manufacturing plants</p>	<p>Water Positive Approach Target: Reduce water consumption intensity in manufacturing plants by 20% by FY26</p>	<p>Carbon Emission Target: Reduce Greenhouse Gas(GHG) emissions intensity of manufacturing plants by 20% by FY26</p>
<p>Energy Consumption Target: Reduce energy consumption intensity of manufacturing plants by 15% by FY26</p>	<p>Occupational Health & Safety Target: Work towards the goal of achieving Zero accidents</p>	<p>Diversity & Inclusion Target: Increase in diversity by 25% by FY26</p>
<p>Sustainable Procurement Target: 100% of key suppliers to be assessed under ESG criteria by FY23</p>	<p>Corporate Social Responsibility Target: Reach 2 lakh CSR beneficiaries by FY26</p>	<p>Happiness Quotient Target: Increase Happiness Quotient to 85% by FY26</p>

POWER TRANSMISSION



400 kV Padma River Crossing
Transmission Line, Bangladesh

A global leader in Power Transmission EPC, we provide integrated solutions on turnkey basis for transmission lines up to 1,200 kV in over 70 countries. We also provide end-to-end solutions for underground HT and EHV cabling works. Our robust presence extends from the Americas in the north, all the way to Oceania in the south, where we have delivered bespoke and efficient solutions to meet challenging customer requirements.

The KEC Edge

- In-depth engineering expertise with an enhanced focus on design optimisation, to improve constructability, quality and costs
- Rich experience in executing challenging projects in extreme weather conditions and difficult terrains, spanning rivers, deserts, mountains, snowfields and cities
- Enhanced capabilities to execute a wide range of projects in areas such as HVDC and Underground Cabling
- Esteemed partner for Government of India's Green Energy Corridor scheme
- Diversified client base - central and state utilities, TBCB developers, private generation & distribution companies and refineries
- Pool of highly experienced professionals committed to delivering projects ahead of time
- Strong project management and execution capabilities
- Adoption of latest mechanisation, digitalisation and automation technologies to improve productivity, safety and quality
- Robust and integrated global supply chain

**Well-diversified
footprint in 70+ countries**

Monopoles at a
Transmission Line,
Saudi Arabia



Manufacturing

- Six state-of-the-art modern manufacturing factories, three in India and one each in UAE, Brazil and Mexico
- Largest globally operating tower manufacturing capacity of 3,62,200 MTs per annum
- All manufacturing facilities are IMS certified to deliver world class quality

Engineering

- Rich pool of 260+ engineers across eight engineering and design centres in India and the Americas, delivering innovative solutions for complex and challenging projects
- Adoption of latest technology – LIDAR, Drones and Photogrammetry to conduct surveys; Artificial Intelligence & analytics for design optimisation
- Equipped with the latest design, detailing and profiling softwares

Tower Testing

- Only company in the world to have four tower testing stations, three in India and one in Brazil, capable of testing a wide range of transmission towers and poles
- Nagpur is one of the largest tower testing facilities in the world, with a capability to test towers up to 1200 kV
- Belo Horizonte facility in Brazil is the largest tower testing station in the Americas

Tower manufacturing
plant at Dubai, UAE



**Tower manufacturing
and testing facilities
spread across India,
UAE, Brazil and Mexico**

SUBSTATION



765 kV GIS Pooling Station,
North Chennai, Tamil Nadu

We are leaders in turnkey execution of EPC projects of High Voltage Electrical Switching and Distribution Substations in India and across the globe.

We specialise in concept-to-commissioning of High Voltage Air Insulated Substations (AIS) up to 1,150 kV, Gas Insulated Substations (GIS) up to 765 kV and Hybrid Substations up to 220 kV.

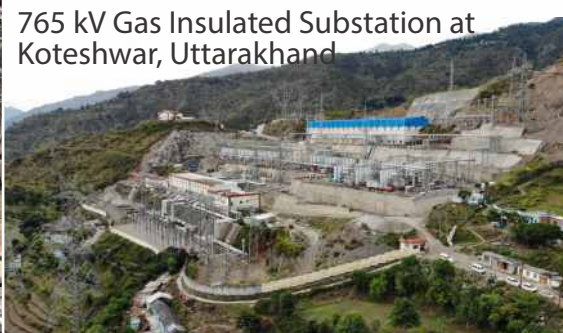
We have a proud legacy of executing projects in harsh & remote environments and difficult topographies such as mountains at an altitude of 11,500 ft. above sea level, hilly terrains with structures spread over nine levels, politically sensitive areas and locations where temperature varies between -25°C to $+50^{\circ}\text{C}$.

In FY23, we secured two prestigious orders to build Digital Gas Insulated Substations, including India's first 765 kV Digital Gas Insulated Substation, from Power Grid Corporation of India Limited (PGCIL). We have also diversified our clientele through significant orders for developing a 220 kV Substation for a refinery PSU in India and a 400 kV Substation for a reputed industrial developer.

**Presently building 40+
substations globally**

225 kV Substation for
OMVG Interconnection
Project, Senegal

765 kV Gas Insulated Substation at
Koteshwar, Uttarakhand



- Strong project management and execution capabilities to deliver ahead of time
- Innovative designs, efficient supply chain and strategic alliances with global majors help us deliver turnkey solutions across the globe
- Assurance of high quality, health, safety and environmental standards
- Deployment of advanced technologies such as Building Information Modelling (BIM) for improving design and construction efficiency

400 kV Air Insulated Substation at Singida, Tanzania



132 kV Gas Insulated
Substation at Dubai, UAE



**Diverse customer
base comprising
utility and
non-utility clients**

SAE



500 kV Transmission Line, Brazil

SAE Towers, a wholly-owned subsidiary of KEC, is one of the most comprehensive in-house resources for transmission structures and turnkey EPC services in the Americas.

The Company is one of the largest producers of steel lattice transmission towers in the region. Our range of products and services include transmission towers, poles, substation structures, hardware, engineering and tower testing solutions.

Our design, detailing, prototyping, testing, manufacturing and supply capabilities give us unmatched ability to provide optimised tower structure solutions and end-to-end solutions for building Transmission Lines and Substations across the Americas.

**9+ decades of
rich and diverse
experience**



SAE Towers
manufacturing facility,
Brazil



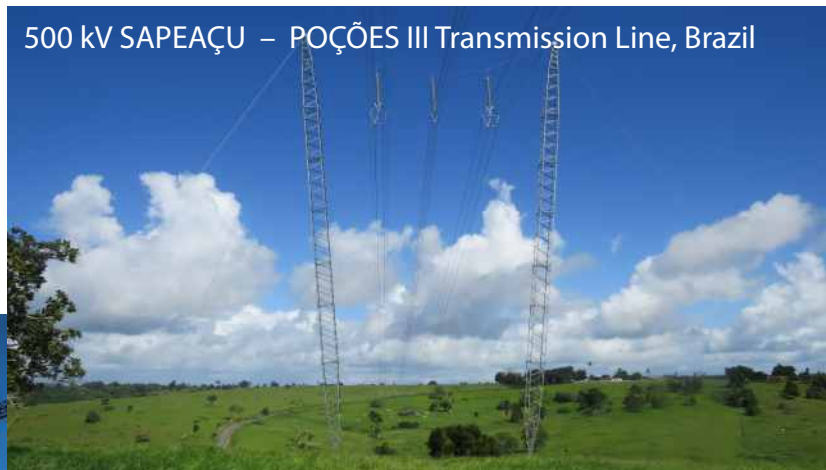
SAE Towers manufacturing facility, Mexico

Our state-of-the-art transmission tower manufacturing plants are located in Monterrey, Mexico and Betim, Minas Gerais, Brazil. Both plants boast of a combined tower production capacity of 102,000 MTs per annum, including pole production capacity of 12,000 MTs per annum. The Brazil facility also designs, tests and manufactures Transmission line hardware.

Our Tower Testing station at Belo Horizonte in Brazil is the largest tower testing station in the Americas.

Our capabilities in engineering, manufacturing, testing and EPC are further strengthened through our parent company KEC International Ltd.

500 kV SAPEAÇU – POÇÕES III Transmission Line, Brazil



Tower Testing at
Belo Horizonte, Brazil

Unparalleled Tower Testing capabilities in the Americas

RAILWAYS



New railway line between
Kendrapara to Paradeep, Odisha

Our Railways business is a complete turnkey solutions provider in the Railway Infrastructure EPC space. We continue to maintain leadership in the conventional areas of Railways which include Overhead Electrification (OHE), track laying, civil infrastructure works and signalling & telecommunications.

Over the last few years, we have significantly augmented our capabilities to cater to the evolving needs of the Railway industry. We have widened our portfolio in new and emerging areas of conventional railways and now execute projects in speed upgradation, port connectivity and railway sidings for reputed government and private customers.

We have further expanded our presence in technologically-intensive areas and are now delivering complex projects in the areas of Metro Rail, DFCC and High-Speed Rail.

The KEC Edge

- Expertise in railway electrification and power systems.
- Strong capabilities in earthwork, doubling & tripling of tracks and laying new railway lines.
- Extensive experience in the construction of civil infrastructure, including road over bridges, bridges, stations, platforms, residential quarters, depots and workshops.
- Competencies in new areas such as speed upgradation, port connectivity, tunnel ventilation and railway siding.
- Proficiency in signalling & telecommunication systems and traction substations.
- Strong foothold in technology-enabled areas of urban infrastructure; electrification - OHE & Third Rail, power supply systems and track laying for Metro Rail.

5 decades of expertise



Nagpur - Amla Road Over Bridge,
Maharashtra



Execution Excellence

- Strong focus on deploying innovative technologies in our projects to mechanise, digitalise and automate processes and procedures
 - Latest machinery to accelerate execution and enhance efficiency, safety and quality
 - Advanced technologies such as AI, IoT, mobility and analytics to improve CRS, debottleneck block hour activities, optimise costs and manage workforce

Enhanced Backward Integration

- Developing and manufacturing an array of railway cables and conductors at our Cables manufacturing units at Vadodara and Mysuru to strengthen the Railway supply chain
- Manufacturing galvanised steel structure for railways at our tower manufacturing plants in Jabalpur, Butibori and Jaipur, with a consolidated capacity of 48,000 MTPA

Third Line between Mathura, Uttar Pradesh
& Dholpur, Rajasthan



Gidhni Station Building, Kharagpur
Third Line project, West Bengal



**Leveraging leading-edge
technologies to
fast-track execution**

CIVIL



Data Centre project in Hyderabad,
Telangana

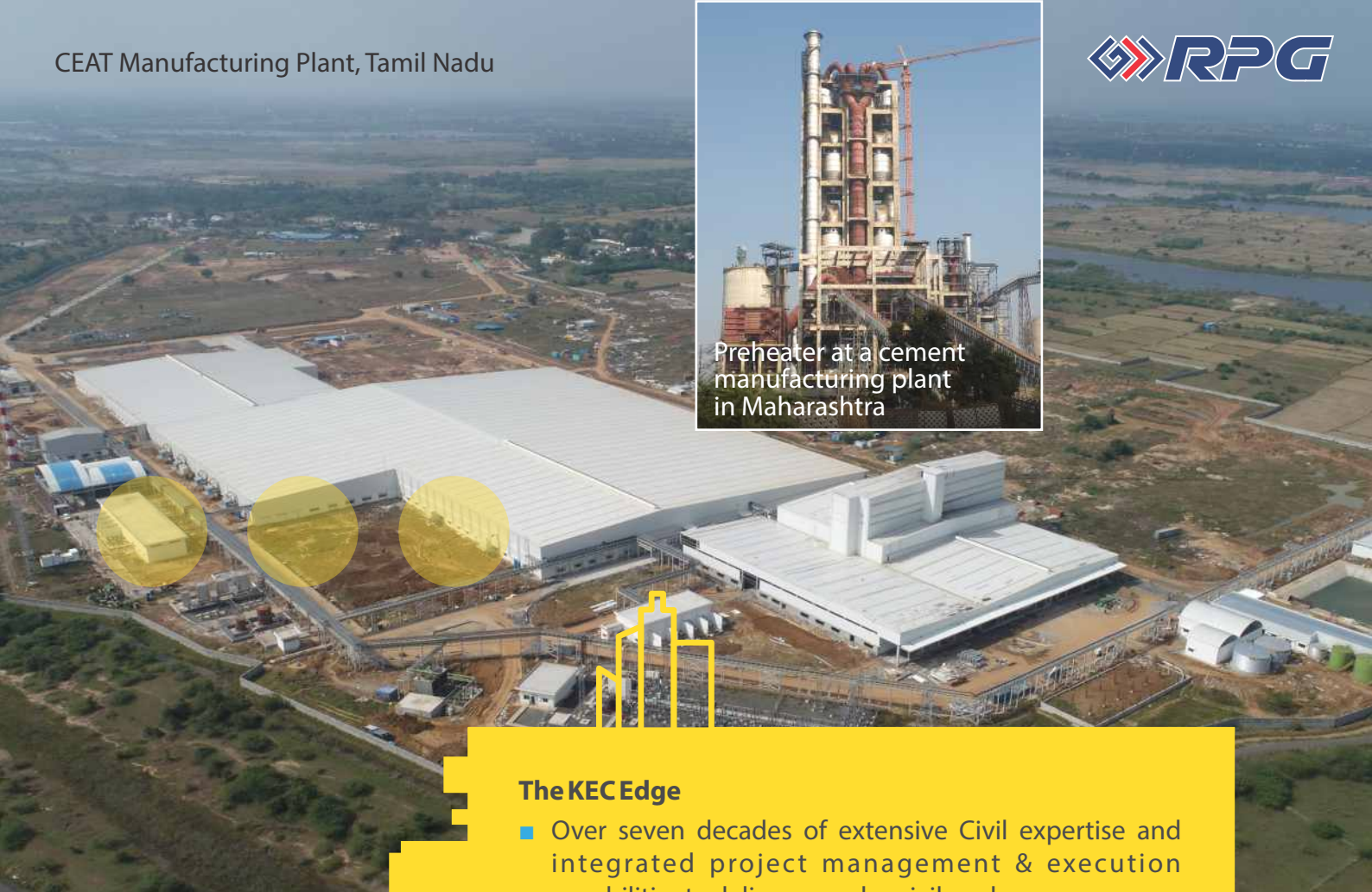
KEC's Civil business focusses on the construction of world-class infrastructure across segments such as industrial, hydrocarbon, residential, urban infrastructure, water, public spaces, defence, data centres and warehouses for reputed private players and central & state government bodies.

With a well-diversified project portfolio, the business is currently executing over 50 projects that include factories & process plants, high rise residential buildings, viaducts and stations for metros, water pipelines and water treatment plants for Government of India's Jal Jeevan Mission, public spaces of national importance such as airport & High Court building and data centres for central government and private clients.

The business has developed extensive proficiencies in fabrication and erection of heavy mechanical structures, pre-engineered buildings (PEB) and precast structures for reputed clients across segments.

Through a firm focus on investing in cutting edge technologies and best practices for construction, we are setting benchmarks in speed, quality and safety to deliver excellence to our clients.

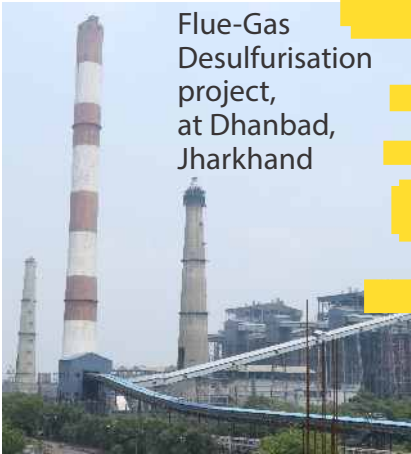
**Delivering nation-
building projects
across India**



Preheater at a cement manufacturing plant in Maharashtra

The KEC Edge

- Over seven decades of extensive Civil expertise and integrated project management & execution capabilities to deliver complex civil works
- Leveraging advanced mechanisation and digital technologies to maximise productivity and ensure timely delivery
- Proficient in erection of heavy mechanical equipment and manufacturing & erection of precast structures
- Superior design and engineering capabilities
- Unwavering focus on quality and safety



Flue-Gas Desulfurisation project, at Dhanbad, Jharkhand



Water intake well



High-rise residential towers in Bengaluru, Karnataka

Cutting Edge Technologies in Construction

URBAN INFRA



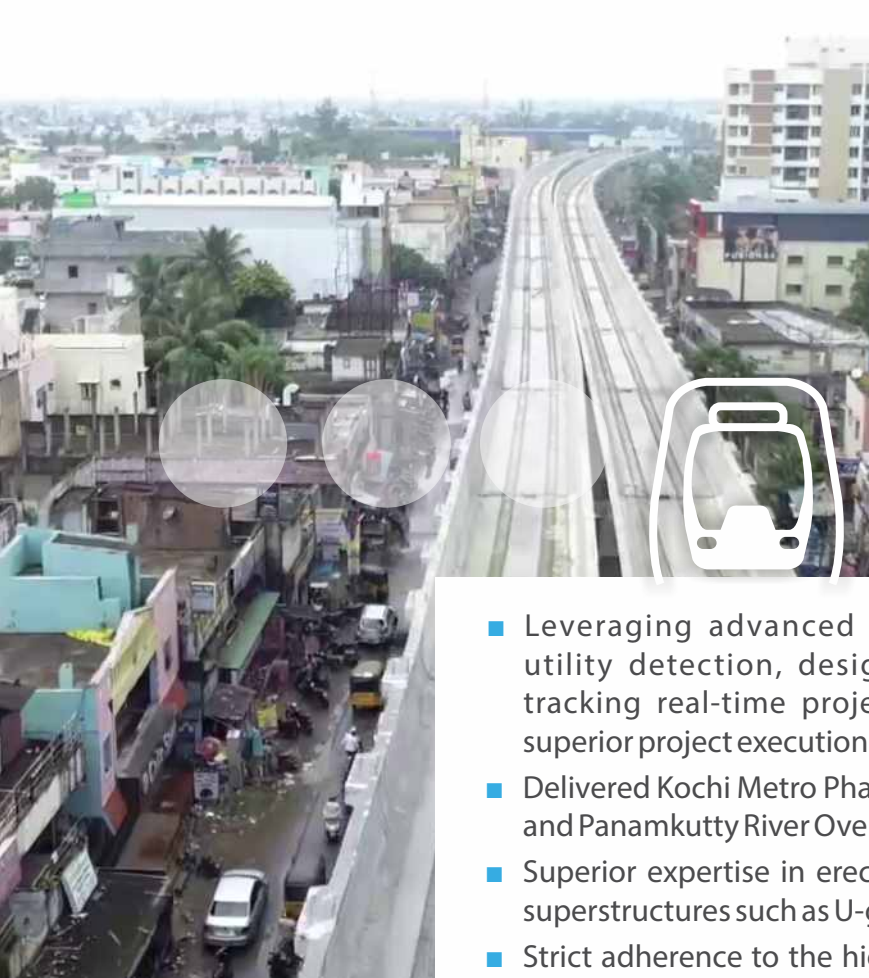
73-metre, 850-tonne steel arch over four railway tracks,
Delhi-Meerut RRTS project

Our Urban Infrastructure business offers comprehensive EPC services for the construction of viaducts, stations, depot-cum-workshops, track works and electrification & power supply systems for Metro Rail and Regional Rapid Transit System (RRTS) segments.

As part of our civil works portfolio, we are executing viaducts and stations for several high-profile Metro and RRTS projects, which include two projects each for Delhi Metro, Kochi Metro & Chennai Metro and one to construct a section of the Delhi-Meerut RRTS. We are building over 50 km of elevated viaducts, crossing over metro lines, railway lines, flyovers, and rivers, in addition to over 40 stations in high density urban areas. We have developed superior expertise in erecting heavy precast superstructures using sophisticated equipment. We are also constructing two depot-cum-workshops - one each for Bhopal Metro and Delhi-Meerut RRTS.

We have also built significant capabilities to offer a range of services in the technology-enabled areas of Urban Infrastructure. We are now delivering over 12 projects for reputed clients in the areas of Metro electrification – OHE as well as Third Rail, power supply systems and ballast-less track works.

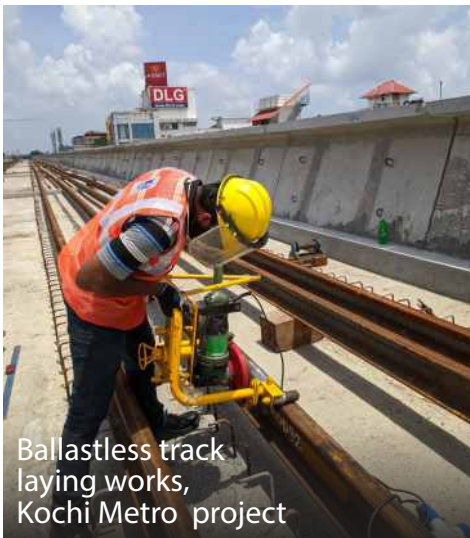
**Delivering end-to-end
infrastructure solutions
for Metro Rail**



Overhead Electrification
for Delhi Metro Rail project



- Leveraging advanced digital technologies for surveys, utility detection, designing & monitoring projects and tracking real-time project progress to achieve faster and superior project execution
- Delivered Kochi Metro Phase-1 Extension project as per schedule and Panamkuttu River Over Bridge six months ahead of schedule
- Superior expertise in erecting heavy precast and prefabricated superstructures such as U-girders, I-girders and steel spans
- Strict adherence to the highest safety and quality standards for enhanced customer satisfaction levels
- Building New Delhi's first integrated double-decker viaduct spanning 1.4 km for Delhi Metro Rail Corporation and a 560 metre-long Balanced Cantilever bridge over Yamuna riverbed



Ballastless track
laying works,
Kochi Metro project



Casting Yard at Delhi Metro project

Achieving faster and superior execution through mechanisation and digital technologies

CABLES

Cables Manufacturing Facility in Mysuru,
Karnataka

Synonymous with superior quality and reliability, Asian Cables (formerly RPG Cables) offers an extensive range of cables and HT & EHV turnkey cabling solutions across 90 countries.

We specialise in manufacturing power cables, control & instrumentation cables, railway contact, catenary conductors, signalling & quad cables, telecom cables & special cables for a wide range of applications at our two fully integrated cable manufacturing facilities, located in Vadodara and Mysuru, India.

■ Power Cables

- Extra High Voltage: 66 kV to 220 kV
- High Voltage: 3.3 kV to 33 kV
- Low Voltage: Up to 1.1 kV

■ Control and Instrumentation Cables

- Control Cables: 1.1 kV
- Instrumentation Cables: Up to 1.1 kV

■ Railway Cables and Conductors

- Contact and Catenary Conductors
- Cu-Ag Contact Wire
- Railway Signalling Cables
- Quad Cable
- Cables for Metro Rail & Tunnelling projects
- Dropper, Jumper, Feeder wires
- Earthing conductors (AEC, BEC and ACSR)

■ Telecom Cables

- Optic Fibre Cables/ ADSS Cables/ PIJF Cables
- LSZH Sheathed Cables
- CATV Cables

■ Special Cables

- Solar Cables
- CPR Compliant FR Cables
- 110°C FR Cables
- Lead Sheathed LT Power and Instrumentation Cables
- Nylon Sheathed Termite Resistant Cables
- Hybrid Cables
- Mining Cables
- Cathodic Protection Cable
- Concentric Cable
- Submersible Cable

**Synonymous with superior
quality and reliability**



Hybrid Drums for Cables,
Vadodara

The KEC Edge

- State-of-the-art manufacturing equipment and testing facilities that are benchmarked to national and international standards
- Bespoke cables and cabling solutions for a wide range of applications and client requirements
- Unparalleled expertise to manage and deliver EHV and HT cabling projects in domestic and international markets
- Vadodara laboratory accredited by National Accreditation Board for Testing & Calibration Laboratories (NABL)
- In-house R&D centres at Vadodara & Mysuru certified by Department of Scientific & Industrial Research (DSIR), Ministry of Science & Technology, Government of India
- Vadodara facility is the first cables factory in the country to receive IGBC, a Green Factory 'Platinum' Certification

380 kV Underground Cabling,
Saudi Arabia

Railway products plant at Cables
manufacturing unit, Vadodara, Gujarat

**Continued thrust on
new product development
for different applications**

OIL & GAS PIPELINES



Tundla - Gansara Pipeline project, Uttar Pradesh

KEC's Oil & Gas Pipelines business focusses on the construction of Oil & Gas cross-country pipelines in India as well as in international markets. In FY22, we acquired Spur Infrastructure Private Limited, an Indian EPC company engaged in setting up of cross-country oil & gas pipelines to accelerate the growth of the business.

Our proven project management capabilities, extensive experience of executing cross-country linear projects, expertise in managing Right of Way (RoW) and global market outreach, coupled with KEC Spur Infrastructure's profitable track record, technical knowhow, experienced manpower and relevant pre-qualifications is significantly enabling us to capture the lucrative growth opportunities in the oil and gas cross-country pipelines EPC sector.

We are currently delivering superior quality execution at over 30 projects for marquee private and government clients such as Indian Oil Corporation Limited (IOCL), Gas Authority of India Limited (GAIL India), IHB Ltd., Indraprastha Gas Limited (IGL) and Bharat Gas Resource Limited (BGRL).

**Acquired Spur
Infrastructure to
accelerate the
business' growth**



Slurry Pipeline project, Odisha



Experience in construction of more than 1,450 km of hydrocarbon pipelines and associated facilities:

- 150+ km of 18" diameter pipelines
- 850+ km of pipelines with sizes between 12" and 16"
- 450+ Km of pipelines with diameter 10" or 8"

Strong focus on implementing best practices in project management, building efficient supply chain and enhancing safety practices to deliver projects ahead of time and with superior quality

Delivered nation-building projects:

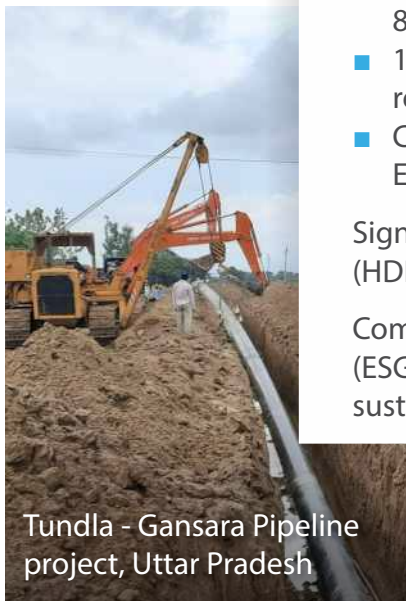
- 200-km Patna - Motihari product pipeline in Bihar, India
- 126-km Tundla - Gansara product pipeline in Uttar Pradesh, India, amongst other pipelines in both cross-country and City Gas Distribution segments

Executing significant projects:

- 1,200+ km of cross-country oil & gas pipelines, ranging from 8" to 16" diameter
- 125+ km of iron ore slurry pipeline with 32" diameter, for a reputed steel major in India
- Composite works for a terminal station, including Mechanical, Civil, Electrical & Instrumentation works, amongst others

Significant capabilities in welding and Horizontal Directional Drilling (HDD) works

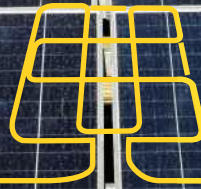
Committed towards integrating Environmental, Social and Governance (ESG) factors in business practices to conduct our operations in a newer, sustainable and responsible manner



Tundla - Gansara Pipeline project, Uttar Pradesh

Special emphasis on delivering projects ahead of schedule

SOLAR



150 MWp Ground Mount Solar project for a private developer in Badhla, Rajasthan

Our Solar business offers integrated EPC solutions for power generation and evacuation across large-scale ground-mounted and rooftop solar projects to support Government of India's Renewable Energy targets and Green Hydrogen Mission. KEC is one of the few companies with capabilities to execute large projects of up to 500 MW.

We have developed innovative solutions and capabilities such as a one-of-its-kind 20 MW Solar Carport, one of the largest carport project in India and converting existing industrial plant sheds into solar power generation units. We also possess significant experience in Single Axis Tracker implementation.

We work with a wide range of clients that include government utilities, private solar park developers and industries developing captive power plants.

All our projects are commissioned in line with the highest quality standards and engineering capabilities.

**Currently executing
a 500 MW Solar
PV power plant**



11.2 MW Solar PV Power Plant with Single Axis Tracking System, in Vikarabad, Telangana



The KEC Edge

- Offering in-house designing and plant engineering, including project feasibility analysis across large-scale solar photovoltaic power plants
- Strong relationship with utilities and experience of local ecosystem across markets
- Ability to provide integrated construction and evacuation solutions due to extensive experience in transmission, substation and underground cabling projects across geographies
- Control over value chain:
 - In-house manufacturing capacities for module mounting structures and special solar cables
 - Manufacturing capacity of 12,000 MTs of Solar structures
 - Transformers and other DC equipment through affiliate company
- Complete range of civil works and Operations & Maintenance services; exceeding contractual/performance guarantees in all projects
- Strong partnership with various developers in the domestic and International arena

13.6 MW Rooftop Solar project across four locations



31 MW Single Axis Tracker Solar PV Plant, Telangana



Providing bespoke solutions through in-house designs and control over value chain

SMART INFRA



Command and Control Centre at
Aurangabad Smart City, Maharashtra

Our Smart Infra business provides digital infrastructure solutions for urban India through intelligent and innovative technology offerings, customised for Indian conditions and city-specific needs. The business plays the role of a Master System Integrator and works closely with Central and State Governments, Urban Local Bodies and Utility Departments for creating Digital Infrastructure in the areas of Smart Cities, City Safety, Communication, Mobility, and Smart Utility.

We have commissioned sophisticated Information and Communication Technology (ICT) ecosystems for two Smart City projects in Aurangabad & Bidkin, both in Maharashtra, and are in the process of deploying a wide range of smart city components for three smart cities in Punjab. We have also forayed into the Defence sector and implemented Integrated Perimeter Security Systems across six air base stations in India.

The business has forged strategic partnerships with leading technology players and created a robust ecosystem of vendors and service providers to deliver faster and superior execution.

**Intelligent
solutions through
cutting edge
technology**



Digital Outdoor Displays,
Aurangabad Smart City

HDPE Duct for OFC Network
at Bidkin Smart City, Maharashtra

■ Smart & Safe Cities

- Integrated Command & Control Centre
- City Surveillance
- Smart Poles
- Data Centres
- Solid Waste Management

■ Communication

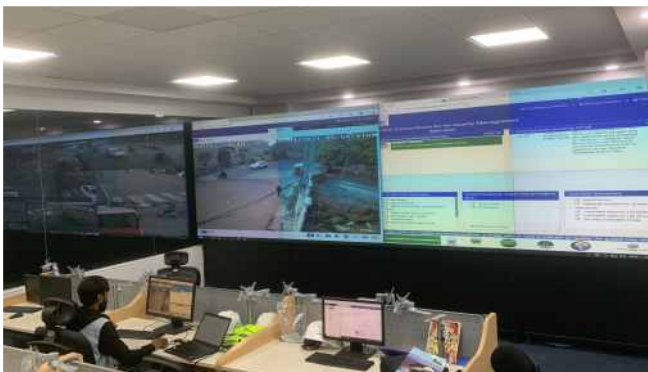
- Optic Fibre Cable
- Network
- Network Operations Centre
- Operations and Support Systems

■ Smart Grid

- SCADA and T&D Grid Management
- Advanced Metering
- Battery Energy Storage
- Substation Automation

■ Smart Mobility

- Smart Transport Platforms
- Automatic Vehicle Location & Management
- Intelligent Traffic Management
- Vehicle Tracking Systems
- Adaptive Traffic Signals



Command & Control Centre at Amritsar, Punjab



Environmental
Sensor at Bidkin
Smart City Project,
Maharashtra

**Experience across
Smart Cities,
Surveillance,
Communication
& Grids**

Diverse Portfolio of Offerings



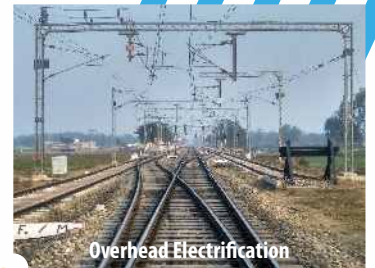
Transmission Lines



Substations



Underground Cabling



Overhead Electrification



Track Laying



Signalling and Telecommunications



Bridges



Stations and Platforms



Speed Upgradation



TCAS - Kavach



Metros - Viaducts & Stations



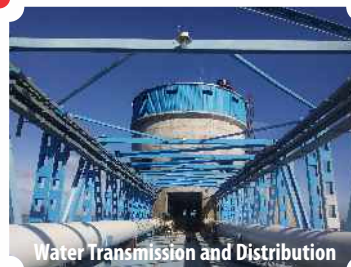
Metros - Technology



Factories



High-rise Buildings



Water Transmission and Distribution



Data Centres



Airports



Solar Plants



Smart Cities



Oil & Gas Pipelines

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hello happiness