



KPI GREEN ENERGY LIMITED

CIN: L40102GJ2008PLC083302

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BSE Limited
Phiroze Jeejeebhoy Towers,
Dalal Street,
Mumbai - 400 001

Scrip Code: 542323

National Stock Exchange of India Limited
Exchange Plaza,
Bandra Kurla Complex,
Bandra (E), Mumbai - 400051

Symbol: KPIGREEN

Sub.: Press Release – KPI Green Energy Limited Commences Power Supply from 200 MW AC / 240 MW DC Solar Power Project Awarded by GUVNL

Dear Sir/Madam,

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we are enclosing herewith a Press Release titled “KPI Green Energy Limited Commences Power Supply from 200 MW AC / 240 MW DC Solar Power Project Awarded by GUVNL”.

This is for your information and records.

Thanking you,

Yours faithfully,
For KPI Green Energy Limited

Moh. Sohil Yusuf Dabholiya
Whole Time Director
DIN: 07112947

Reg. Office: 'KP House', Near KP Circle, Opp. Ishwar Farm Junction BRTS, Canal Road, Bhatar, Surat – 395017, Gujarat, India | **NSE BSE Listed Company**

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For Immediate release

KPI Green Energy Limited Commences Power Supply from 200 MW AC / 240 MW DC Solar Power Project Awarded by GUVNL

KPI Green Energy Limited (“the Company”) is pleased to announce the **commencement of power generation and supply from its 200 MW AC / 240 MW DC** grid-connected solar power project awarded by Gujarat Urja Vikas Nigam Limited (“GUVNL”) through a competitive bidding process.

The project, with GUVNL as the off-taker, is being implemented **under a long-term Power Purchase Agreement (PPA)** and forms part of Gujarat’s initiatives to expand renewable energy capacity and enhance grid reliability. The project has successfully achieved grid synchronization, and initial power injection into the state grid has commenced.

With the start of power generation, the project is expected to begin contributing to the Company’s revenues on a sustained basis, supported by the long-term contracted tariff under the PPA, ensuring stable and predictable cash flows. Notably, this is one of the first solar power project to be commissioned in the 1.8 GW GSECL Solar Park (South Block), Khavda.

This milestone reinforces KPI Green Energy Limited’s strategic focus on scaling its Independent Power Producer (IPP) portfolio and expanding its presence in utility-scale solar and hybrid power projects, while supporting state utilities in meeting their renewable purchase obligations.

Below are a little glimpse of the project and its significance:

Khavda: A Boon for Solar Power Generation

❖ **Exceptional Solar Potential**

With over 300 sunny days a year and a solar irradiation rate of 2,060 kWh/m², Khavda offers optimal energy output, ensuring highly efficient utilization of solar panels.

❖ **Ample Land Availability**

The region’s vast, flat terrain provides an ideal location for large-scale solar installations, minimizing construction complexities and allowing advanced technologies to be deployed at scale.

❖ **Strategic Connectivity**

Khavda’s proximity to Gujarat’s energy grid and industrial hubs ensures seamless transmission of clean energy demand centres, boosting energy security and sustainability in the region.

❖ **Supportive Policies**

Gujarat’s forward-thinking renewable energy policies and government incentives create a favourable investment climate, aligning perfectly with KP Group’s clean energy vision.

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Integrating Technology for Enhanced Efficiency

KPI is integrating cutting-edge technologies to set new standards for solar power efficiency and reliability:

- ❖ The **IoT-powered robotic cleaning system** ensures ~98% cleaning efficiency, dry-cleaning 1 MW in under 3 hours, promoting sustainability and significantly reducing water consumption. With 550 dedicated robots, the entire 240 MWp plant will be cleaned in just 3 hours, resulting in mega savings over 25 years.
- ❖ The **Network Operations Center (NOC)** provides real-time monitoring and centralized control, enhancing reliability with instant alerts, supporting data-driven decisions, and ensuring consistent energy production across the project.
- ❖ **Data collection and synchronisation** is carried out using advanced digital technology in the form of **SCADA (Supervisory Control And Data Acquisition) System**.
- ❖ **High resolution CCTV cameras** are used to carry out plant surveillance.

Innovative Developments in the Khavda Solar Project

KPI has implemented several cutting-edge innovations to ensure the highest standards of quality, durability, and operational efficiency for the Khavda solar project.

- ❖ **Corrosion Protection for Major Equipment**

To safeguard against harsh environmental conditions, KPI has applied a higher corrosion coating to all major equipment, ensuring enhanced protection against corrosion and increasing the longevity of critical assets.

- ❖ **Enhanced Cable Laying and Protection**

Cable laying has been optimized with increased protective sand layering, ensuring insulation and protection from environmental factors.

- ❖ **Unique Soil Strat and Adaptive Design**

The soil strata in Khavda is unique. KPI has adapted its foundation and civil structure designs to account for this variation, ensuring the stability and strength of the solar plant's infrastructure in this challenging environment.

- ❖ **Elevated and Protected Storage Procedures**

In anticipation of seasonal rains, KPI had designed elevated and protected storage for materials and equipment, ensuring that all assets remain safe and accessible, even during the rainy season. This design allows for uninterrupted movement and access to materials when needed.



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❖ State-of-the-Art Staffing Facilities

KPI has developed modern staffing facilities for its workforce, contributing to a conducive work environment and helping maintain lower attrition rates. This investment in employee well-being is crucial for maintaining productivity and quality throughout the project's lifecycle.

❖ Dedicated Communication Infrastructure

To support seamless communication across the site, KPI has installed a special network tower, ensuring reliable connectivity and effective coordination across all teams, even in remote areas.

Key Statistics for the Khavda Project:

- ~47.3 Cr kWh estimated annual generation
- ~1.3 lakh houses electrified by green energy
- ~1,000 green jobs created
- ~3.4 lakh metric tonnes of CO2 saved annually
- ~3.6 lakh equivalent trees planted every year

About KP Group:

Established in 1994, by Dr. Faruk G. Patel, KP Group has grown into a multi-faceted conglomerate with core expertise in renewable energy, infrastructure, and innovation. Over the past three decades, the group has championed sustainability by spearheading transformative projects in wind, solar, hybrid energy, Battery Energy Storage System (BESS) and green hydrogen, thereby contributing to India's green energy mission. With a strong portfolio of renewable energy projects, KP Group has earned a reputation as a trusted partner for companies committed to reducing their carbon footprint. The group remains steadfast in its mission to contribute meaningfully to India's energy transition while setting new benchmarks in the renewable energy sector.

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