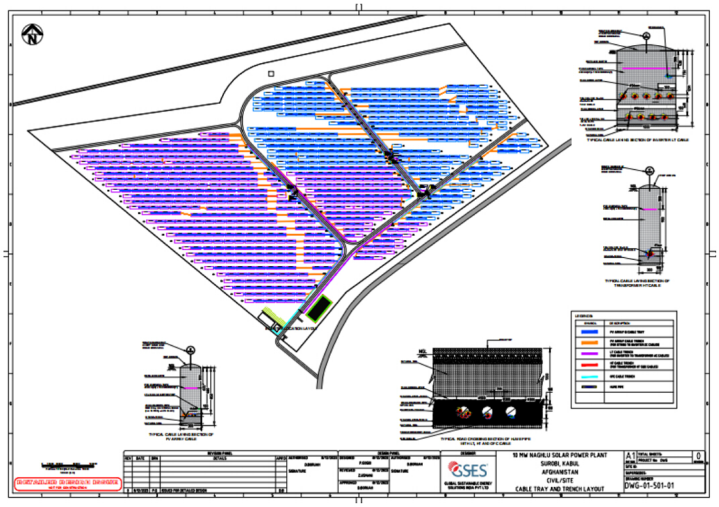
ZMS and Green State Power Collaborate on Naghlu 10 MWdc Solar Project

ZMS Cable provided an integrated cable solution for this solar power project for Green State Power.

PV Plant Construction



Naghlu Solar Project Plan

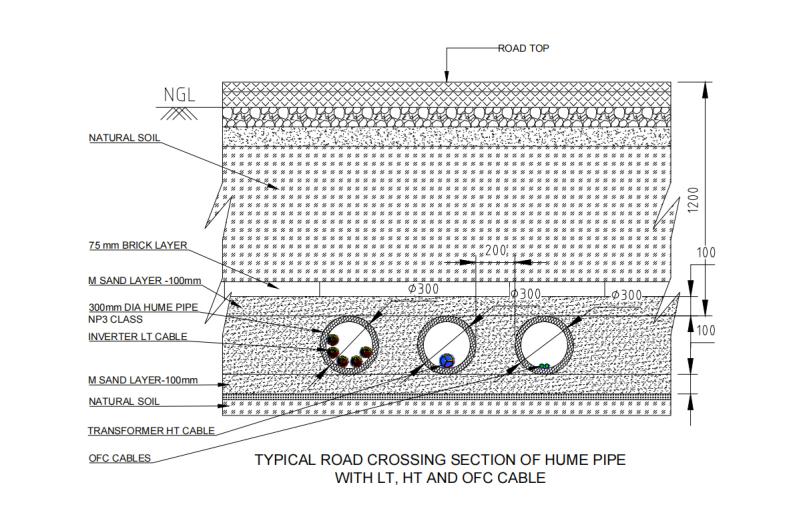
AFGHANISTAN, KABUL, July 24, 2024 /EINPresswire.com/ -- ZMS Cable has proudly partnered with Green State Power (GSP) for the groundbreaking Naghlu 10 MWP solar project in the Surobi District of Kabul, Afghanistan. This ambitious solar power project aims to bring clean, renewable energy to approximately 10,000 homes, significantly impacting the local community. ZMS has provided a complete cable solution for the project.

Green State Power (GSP) is a leading investment advisory consulting firm known for its expertise in delivering top-tier investment solutions across various sectors. With over a decade of experience, GSP has significantly contributed to renewable energy development through strategic partnerships with governments and global companies. Their comprehensive network of specialized firms allows them to effectively handle large-scale urbanization and infrastructure projects, enhancing socioeconomic conditions worldwide.

Founded in 1990, ZMS Cable is a professional supplier of high-quality electrical cables based in China, serving over 183 countries. ZMS manufactures cables with 99.9% pure copper and offers

comprehensive services, from consulting to after-sales support. With an annual production of 500 million meters and sales of 300 million, ZMS ensures cost-effective, durable cables with numerous international certifications. This collaboration on the Naghlu 10 MWP PV project marks the first partnership between ZMS and GSP, highlighting their shared commitment to advancing renewable energy.

ZMS Solar Extension Cables



Typical Road Cross-section for Hume Pipe

ZMS AC Cables

Project Details

The Naghlu 10 MWdc solar power project in the Surobi District of Kabul, Afghanistan, is an ambitious initiative designed to connect to Afghanistan's electrical grid. The project kicked off on October 30, 2023, and is scheduled for completion by July 19, 2024, with 45% of the work already completed according to the approved timeline. This project underscores a significant step forward in Afghanistan's renewable energy sector.

The primary aim of the Naghlu Solar Project is to bring clean, renewable energy to approximately 10,000 homes in the Surobi district. While the power generated will primarily illuminate Surobi, any excess energy will be fed into the national grid system, contributing to the broader effort of expanding access to electricity through sustainable means. This project not only enhances local energy security but also supports Afghanistan's transition towards renewable energy sources, reflecting the joint commitment of ZMS and GSP to foster sustainable development and improve the quality of life for the local

community.

ZMS's Contribution

ZMS Cable has supplied a range of high-quality products to ensure the success and efficiency of the Naghlu 10 MWdc solar power project. The products provided include 1X10 and 1X6 solar cables, 3X300 LV and 3X300 MV cables, ACSR 185/30 cables, PV connectors, and tool kits. Each of these components plays a crucial role in the project's overall functionality and reliability.

The 1X10 and 1X6 solar cables are designed for photovoltaic power plants and provide excellent conductivity, ensuring efficient power transmission from the solar panels to the grid. The 3X300 LV (Low Voltage) and 3X300 MV (Medium Voltage) cables are critical for safely transmitting electricity over long distances, maintaining voltage stability, and reducing power loss. ACSR 185/30 cables, made from aluminum conductor steel-reinforced wire, offer superior strength and durability, making them ideal for withstanding the harsh environmental conditions of the region.

In addition to these cables, ZMS has supplied PV connectors and tool kits that are essential for the installation and maintenance of the solar power system. These connectors are designed for easy and secure connections, minimizing the risk of power loss and ensuring long-term reliability.

The technical superiority of ZMS's products enhances the efficiency and reliability of the Naghlu solar project. By using high-quality materials and adhering to stringent manufacturing standards, ZMS ensures that the solar power system operates at peak performance, delivering consistent and dependable energy to the Surobi district and beyond.

Impact and Future Prospects

The immediate benefits of the Naghlu 10 MWdc solar power project in Kabul are significant. By providing clean, renewable energy to approximately 10,000 homes, the project will greatly enhance the quality of life for residents in the Surobi district. The connection to Afghanistan’s electrical grid ensures a stable and reliable energy supply, reducing dependence on fossil fuels and lowering greenhouse gas emissions. This project is a crucial step towards a sustainable energy future for the region, promoting environmental sustainability and energy security.

In the long term, the Naghlu solar project sets a precedent for future renewable energy initiatives in Afghanistan and beyond. The success of this project demonstrates the viability of large-scale solar power installations in the region, encouraging further investment and development in the renewable energy sector. The collaboration between ZMS and GSP has proven to be highly effective, showcasing the strengths of both companies in delivering high-quality, efficient solutions for complex energy projects.

ZMS Project Manager's Comment
Mr. Lee, ZMS Project Manager, commented, "Working on the Naghlu 10 MWdc solar power project has been an incredibly rewarding experience. Our partnership with Green State Power has allowed us to combine our technical expertise and innovative solutions to create a project that will have a lasting positive impact on the community. The high-quality cables and components we supplied were meticulously designed to meet the specific needs of this project, ensuring efficiency and reliability. We are proud to be part of this groundbreaking initiative and look forward to more successful collaborations in the future."

The potential for future collaborations between ZMS and GSP is promising. Both companies have shown a strong commitment to advancing renewable energy initiatives, and their combined expertise and resources can drive further innovations and projects in this field. Future collaborations could include larger-scale solar installations, wind energy projects, and other renewable energy solutions, contributing to global efforts to combat climate change and promote sustainable development.

Looking ahead, ZMS and GSP have ambitious plans to expand their presence in the renewable energy sector. ZMS aims to increase its production capacity and develop new, innovative products that meet the evolving needs of the market. GSP continues to seek out strategic partnerships and investment opportunities that align with its mission of enhancing socioeconomic conditions through sustainable energy solutions. Together, these companies are well-positioned to lead the way in the transition to a greener, more sustainable future.

Conclusion

The collaboration between ZMS Cable and Green State Power (GSP) on the Naghlu 10 MWdc solar power project marks a significant step forward for renewable energy in Afghanistan. By delivering clean energy to around 10,000 homes, this project enhances local quality of life and supports the broader goal of sustainable energy expansion.

The success of this partnership highlights the effectiveness of combining technical expertise with innovative solutions to tackle energy challenges. As the project progresses toward completion, it sets a precedent for future renewable energy initiatives and exemplifies the positive impact of strategic collaborations. Both ZMS and GSP are committed to driving further advancements in the renewable energy sector, paving the way for a greener, more sustainable future.

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