

## Press Release

Neu-Ulm, 24th May 2017

### **Project start in India: Rural village electrification with smart storage systems**

Sarvantara, Uttar Pradesh India, 22<sup>nd</sup> May 2017: **On 18<sup>th</sup> May 2017 the installation of a village electrification project started in Uttar Pradesh, India. Thanks to a smart DC mini grid system, about 100 households will be powered with sustainable and renewable electricity for the first time. The installation will be carried out by the German company BOS Balance of Storage Systems AG (BOS AG) and their local partner Oorja Development Solutions Ltd. The whole project is part of the dena Renewable Energy Solutions Programme, which is sponsored by the German Energy Agency (dena) and the German Federal Ministry for Economic Affairs and Energy (BMWi).**

The goal of the project is to electrify an Indian village with renewable energy and guarantee a sustainable and reliable power supply. Around 240 million people in India still live without electricity or only have access to irregular power supply. However especially in rural areas, limited electricity access curtails social and economic development enormously.

In September 2016, dena and BOS AG went for an exploration to Uttar Pradesh in India and selected the village Sarvantara for the dena Renewable Energy Solutions Programme. The village, with approximately 100 households, is located in a rural area with insufficient infrastructure and no access to the existing grid. With the installation of the smart DC mini grid technology from BOS AG, basic electrification needs will be covered cheaply and the village's water supply will be improved with solar pump systems.

With the renewable electricity produced by PV modules, each household will be able to power lights, fans and USB charging devices for instance for mobile phones. Thanks to the smart DC power meter, power supply can be adjusted efficiently. Each household plans for its needs and pays for its power consumption individually. The whole system is designed to deliver affordable, reliable and sustainable electricity for at least ten years. An inauguration ceremony is planned for the beginning of June in the village Sarvantara.

The dena RES Project India is part of the worldwide dena Renewable Energy Solutions Programme coordinated by Deutsche Energie-Agentur (dena) - the German Energy Agency - and co-financed by the German Federal Ministry for Economic Affairs and Energy (BMWi) within the German Energy Solutions Initiative.



Supported by:



on the basis of a decision  
by the German Bundestag

Project lead:



Project execution:



Project partner:



(Wörteranzahl: 327, Zeichen inkl. Leerzeichen: 2136)

### **Boilerplate**

*BOS Balance of Storage Systems AG is a German high-tech start-up company based in Neu-Ulm, founded in July 2014 and has ten employees. The CEO and co-founder of the company is Benjamin Seckinger. BOS offers smart hybrid energy storage solutions and DC grid technology. With their technologies, large parts of the off-grid community in developing and industrialised countries get access to high-quality, long-lasting and affordable energy solutions.*

[www.bos-ag.com](http://www.bos-ag.com)

### **Deutsche Energie-Agentur (dena)**

*The Deutsche Energie-Agentur (dena) – the German Energy Agency – is Germany’s centre of expertise for energy efficiency, renewable energy sources and intelligent energy systems. As the Agency for Applied Energy Transition it helps achieve energy and climate policy objectives by developing solutions and putting them into practice, both nationally and internationally. In order to do so, it brings together partners from all areas of politics and business. dena’s shareholders are the Federal Republic of Germany, the KfW Group, Allianz SE, Deutsche Bank AG and DZ BANK AG.*

[www.dena.de/en](http://www.dena.de/en)

### **German Energy Solutions Initiative**

*The transfer of energy expertise, the promotion of foreign trade and the facilitation of international development cooperation are part of the German Energy Solutions Initiative, which is coordinated and financed by the German Federal Ministry for Economic Affairs and Energy. The initiative offers networking and business opportunities in Germany and abroad, it showcases reference projects and facilitates capacity building.*

[www.german-energy-solutions.de/en](http://www.german-energy-solutions.de/en)

### **dena Renewable Energy Solutions Programme (dena RES Programme)**

*The dena RES Programme was developed by the Deutsche Energie-Agentur (dena) – the German Energy Agency. This programme, co-financed by the Federal Ministry for Economic Affairs and Energy within the German Energy Solutions Initiative, helps German renewable*



*energy companies enter new markets. Within the framework of the programme, reference and demonstration projects are installed near prestigious institutions. The installation is accompanied by comprehensive PR, marketing and training programmes. These projects showcase high-quality German renewable energy technology and help participating companies gain a foothold in new markets. [www.german-energy-solutions.de/en/res](http://www.german-energy-solutions.de/en/res)*

*For more information about **Oorja Development Solution Ltd** visit: [www.oorjasolutions.org](http://www.oorjasolutions.org)*

*For more information about this release visit: [www.bos-ag.com](http://www.bos-ag.com).*

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