

## Factory portrait Savli, India High voltage gas-insulated switchgear and hybrid switchgear, PASS



ABB is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact.

The ABB Group of companies operates in around 100 countries and employs about 145,000 people.

ABB offers a wide range of high-voltage products up to 1,200 kilovolts that help enhance the reliability, efficiency and quality of power in transmission and distribution grids, power plants and industries while minimizing environmental impact. The wide product range is complemented by a comprehensive service offering.

ABB is the global leader in high-voltage gas-insulated switchgear (GIS) and hybrid switchgear technology with more than 27,000 bays installed around the world.

ABB pioneered GIS technology in the mid-1960s and today offers high-voltage GIS from 72.5 kilovolts to 1,200 kilovolts. ABB's innovative high-voltage hybrid switchgear modules PASS (Plug and Switch System) offer flexible solutions and are operating in varied conditions around the world since 1999.

The factory spread over 7600 square meters is conceptualized on the principles of 'Lean Production' techniques and the entire unit is managed by means of an integrated ERP system. The Quality Systems conform to ISO 9001 standards, Environmental Management System to ISO 14001 standards and the Health and Safety Management System to OHSAS 18001 standards.

The unit is unique as both GIS and PASS (hybrid switchgear) are manufactured within the same factory.

Power and productivity  
for a better world™



# Our product Portfolio

## GIS (Gas-insulated switchgear)

ABB's latest generation gas-insulated switchgear (GIS) come with fast single-interrupter dual motion circuit breaker in a compact and modular design, facilitating large reductions in product volume and weight.

The units are factory assembled, tested and shipped as complete bay instead of multiple assembly units, saving site installation and commissioning time and enhancing product quality.

Frontal access to drives, position indicators and service platforms enable easier operation, inspection and maintenance. Enhanced resource efficiency by reducing weight, the amount of SF<sub>6</sub> gas and thermal losses, lower transportation costs and optimized investment in infrastructure ensure high eco-efficiency and an unmatched price-value offer.

## PASS (Plug and switch system)

PASS is a family of compact, prefabricated high voltage hybrid switchgear modules for substations.

PASS provides the flexibility to incorporate the functions of circuit breaker, disconnector, earthing switch and current/voltage transformers in a single module.

The PASS bay is characterized by fast erection and commissioning, due to pre-assembled and pre-tested modules delivered from factory which makes it an ideal solution for fast-track projects. The modular design PASS offers high customizability yet short delivery time. A range of PASS applications are fully compatible with pre-existing AIS equipment

1 ELK-3 C GIS 420 kV, 63 kA | 2 ELK-14 C GIS 245 kV, 50 kA | 3 ELK-04 C GIS 145 kV, 40 kA | 4 PASS M00 72.5kV, 31.5 kA | 5 PASS M0 145 kV, 40 kA | 6 PASS M0S 245 kV, 50 kA

