



PSR PRIVATE LIMITED

PSR has been producing specialized and custom built Special Purpose Machines since 1993 suiting individual and specific customer needs.

PSR has now ventured into a new project as a licensee partner of **SCHNEIDER ELECTRIC**

PSR is making factory assembled **PACKAGED SUBSTATIONS** designed by **SCHNEIDER ELECTRIC INDUSTRIES SAS, FRANCE.**

It is a state-of-the-art, self contained and flexible power distribution equipment which satisfies the requirements of every customer, however unique.

PRODUCT PORTFOLIO OF PSR

PANEL BUILDING DIVISION

- **Packaged Substation**
(In collaboration with Schneider Electric)

MACHINE BUILDING DIVISION

- Equipment & Spares for Induction Furnace
- Special Purpose Machines (SPM)

Packaged Substation (Biosco)

Designed by Schneider Electric Industries SAS, France

IN ACCORDANCE WITH IEC 62271-202



Packaged Substation



Partner Licensed by
Schneider
Electric



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WHAT IS A PACKAGED SUBSTATION ?

PACKAGED SUBSTATION IS A COMBINATION OF MEDIUM VOLTAGE SWITCHGEAR (RMU), TRANSFORMER & LOW VOLTAGE PANEL WHICH COMES WITH A BEAUTIFUL ENCLOSURE THAT OFFERS SAFETY, SECURITY AND COST BENEFIT TO ALL CONCERN.



MEDIUM VOLTAGE SWITCHGEAR/RMU

SCHNEIDER ELECTRIC MAKE SF6 INSULATED MV SWITCHGEAR OF FBX (11 KV PSS).
RMU CAN BE MOTORIZED / MANUAL.

RMU



PSS WITH MV SWITCHGEAR/RMU



PSS WITH OIL COOLED TRANSFORMER

TRANSFORMER



PSS WITH DRY TYPE TRANSFORMER

LOW VOLTAGE SWITCHGEAR (WITH OR WITHOUT METERING)

SCHNEIDER MAKE LV SWITCHGEARS :

- (i) ACB (TYPE : MDO, EDO, FM, FE)
- (ii) MCCB

LV SWITCHGEAR



PSS WITH LV SWITCHGEAR

• ADDITIONAL ACCESSORIES : OLTC, OCTC, AVR, WTI etc. may be provided as per customers' requirement.



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PACKAGED SUBSTATION CONFORMS TO IEC : 62271-202 AND FULLY TYPE TESTED :



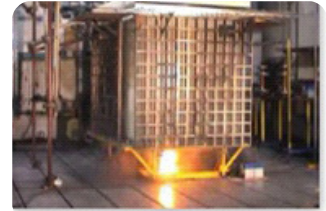
TEMPERATURE
RISE TESTS



DEGREE OF
PROTECTION
(ip) TESTS



MECHANICAL
TESTS

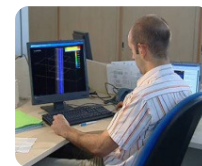


INTERNAL ARC
TESTS

SALIENT FEATURES OF SCHNEIDER MAKE PACKAGED SUBSTATION :

- Factory built package substation assemblies meet users' needs with respect to reliability safety, overall quality, appropriateness for the local surroundings.
- 2 mm thick painted GI enclosure mounted on a hot dip galvanized 4 mm thick GI base. Partitions between compartment with 2 mm thick GI sheet.
- Gaskets / Stiffeners provided as required.
- Internal Arc Tested for 20 kA -1s.
- Access to MV& LV compartment provided through double door arrangement.
- Louvers designed for natural ventilation and thermal class K10.
- Roof designed to support load up to 250 kg/m².
- Spaciously designed to have adequate clearance.
- Internal lighting facility provided.
- Degree of protection – IP54 for HT and LT compartments, IP34 for transformer compartment.
- Options in dimensions based on range of standard transformer ratings.
- Fitted with a lifting beam for easy installation at.

A Recognized Expertise of Schneider Package Substation



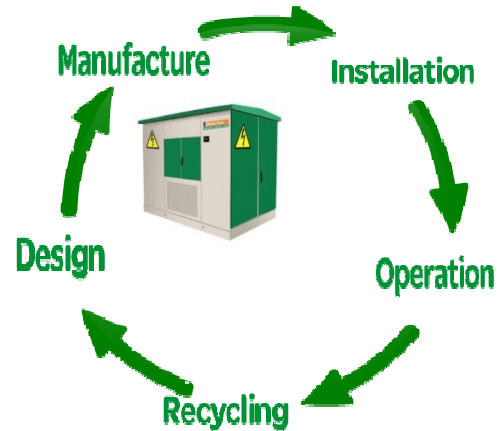
PACKAGED SUBSTATION (BIOSCO)

DESIGNED IN ACCORDANCE WITH IEC 62271-202

Safety at all times ...

BENEFITS ...

- Convenient
- Compact
- Flexible
- Tailored
- Weather Proof
- Safe & Secure



TYPE TESTED AS PER IEC 62271-202 ...

- Dielectric Tests
- Temperature Rise Tests
- Main Circuit & Earthing Tests
- Fundamental Tests
- Degree of Protection Verification Tests
- Mechanical Tests
- Arcing due to an Internal Fault Test
- Sound Verification Tests
- Electromagnetic Compatibility Tests



APPLICATIONS...

- ENERGY
- INFRASTRUCTURES
- COMMERCIALS



Partner licensed by





MACHINE BUILDING DIVISION :

- Equipment & Spares for Induction Furnace/Foundry/Rolling Mill
- Special Purpose Machines (SPM)

PSR IS AN ISO 9001-2015 CERTIFIED PROFESSIONALLY MANAGED COMPANY.



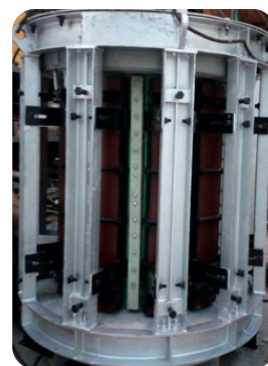
32' Plano Miller (SPM)



15 T APG MACHINE



20 T APG MACHINE



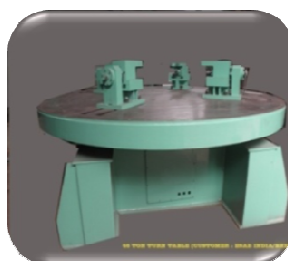
Coil Cradle Assembly



Vacuum Planetary Mixer



20 T ROLLER BED



40 T TURN TABLE



Furnace Yokes



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GALLERY

