



- ① 400/132/13kV 240MVA Transformer
- ② 400/220/33kV 300MVA Transformer
- ③ 132kV Compact Switchgear Offshore Cable Circuit Breaker
- ④ 220kV Compact Switchgear Offshore Cable Circuit Breaker
- ⑤ 13kV Switchgear Building
- ⑥ 33kV Switchgear Building
- ⑦ Protection Blockhouse

- ⑧ 33kV Shunt Reactor Compound Comprising 1 x 45MVA/Ar, 1 x 30MVA/Ar, 1 x 15MVA/Ar Air Cored Reactors
- ⑨ 13kV Shunt Reactor Compound Comprising 3 x 20MVA/Ar Air Cored Reactors
- ⑩ Fire Barrier Wall
- ⑪ 400 kV Gas Insulated Busbar
- ⑫ Protective Fire Barrier
- ⑬ 400kV Switch House Including Equipment Room
- ⑭ 400kV Tension Gantry
- ⑮ 400 kV CVT
- ⑯ Post Insulator

- ⑰ Surge Arrestor
- ⑱ Diesel Generator
- ⑲ 11kV Auxiliary Transformers
- ⑳ Auxiliary Services Enclosure
- ㉑ Fire Deluge Pumphouse and Tank (Min. 6.1m clearance to road surface)
- ㉒ Above Ground Road Crossing
- ㉓ 220kV LA West/Core Offshore Cables
- ㉔ 132kV Shell WindEnergy Ltd. Offshore Cables
- ㉕ Telecommunication Equipment Modules

- SWITCHEAR BAY LABELS**
- 1 Shell WindEnergy Ltd. Transformer Circuit
 - 2 LA West/Core Transformer Circuit
 - 3 Bus Coupler
 - 4 Canterbury North Circuit
 - 5 Kemsley Circuit

LONDON ARRAY ONSHORE SUBSTATION
UPDATED DESIGN - AS OPTIMISED

SUBSTATION COMPOUND
FIGURE 1 - 883(PL)001
 1:1000 @ A3
 21 NOVEMBER 2006