



Project Overview
 The provision of a new Primary Substation to serve the Bicester ARC development, Bicester, Oxfordshire.

The ASC for the site is 13,720 kVA, comprising of Industrial/Commercial Units and Multi-Room Accommodation

The system has been designed based on the G81 Engineering Recommendation of the adopting Network Operator.

Point of Connection
 The points of connection is at 33kV as advised by SSE and is in the location shown. The connection point is deemed as "On-Site", meaning, within your site boundary.

Network Distribution
 The supplies to the site will be supplied from a new Primary Substation which is to be installed as shown. This will be a joint ownership arrangement between the DNO and IDNO.

24 hour unrestricted access will be required at all times.

Equipment is to be housed within a GRP/Steel Clad purpose built rooms within the relevant compounds supplied and installed by HVSS

The outgoing 11kV circuits will be installed under separate contract.

33kV Cables
 All 33kV cables will be laid direct in ducts with suitable tile/marker tape to the adopting Network Operator specifications.

All ducts/tile/marker tape are to be supplied by HVSS but installed by your Main "On-Site" Contractor whilst preparing the site and roadways.

LV Cable
 N/A

Earthing
 A full earthing study and design will be carried out for the construction of the PSS Compounds

Civil Works
 All "ON-Site" civil works associated with routing the 33kV cabling and drainage etc to the boundary of the PSS Compounds to be undertaken by OTHERS in accordance with the design to be supplied by HVSS.

All "OFF-Site" excavation, reinstatement and builders works associated with the construction of the PSS Compounds, also including closing joint holes at the point of connection are to be undertaken by HVSS.

Legal Agreements
 It has been assumed that the entire cable route and land for the PSS Compounds/equipment are within public highway, client owned land, or relevant 3rd party agreements in place.

2	SSE SwRoom Internal Layout changed	08/11/23	AB	
1	Scale Added	05/07/23	AB	
0	For Information - DRAFT	15/06/23	AB	
Rev	Amendment	Date	Drwn	Chkd

FOR INFORMATION

HVSS

ELECTRICITY • GAS • WATER • FIBRE

High Voltage System & Services Ltd.
 Forest House, 2 Riley Road,
 Telford Way Ind. Est.,
 Kettering,
 Northamptonshire NN16 8NN
 TELEPHONE: 01604 781107

Client: SLADEN ESTATES

Project Name: BICESTER ARC

Drawing Title: DNO COMPOUND LAYOUT

Site Address: BICESTER ARC
 LAKEVIEW DRIVE
 BICESTER
 OXFORDSHIRE
 OX26 1DE

Tendering Engineer: S TAYLOR Mobile: 07880 369118

Scale @ Size: 1:50 @ A1 Sheet: 1/1

Tender No.: T2122221A Drawing No.: GAD-011

NOT FOR CONSTRUCTION - INFORMATION ONLY