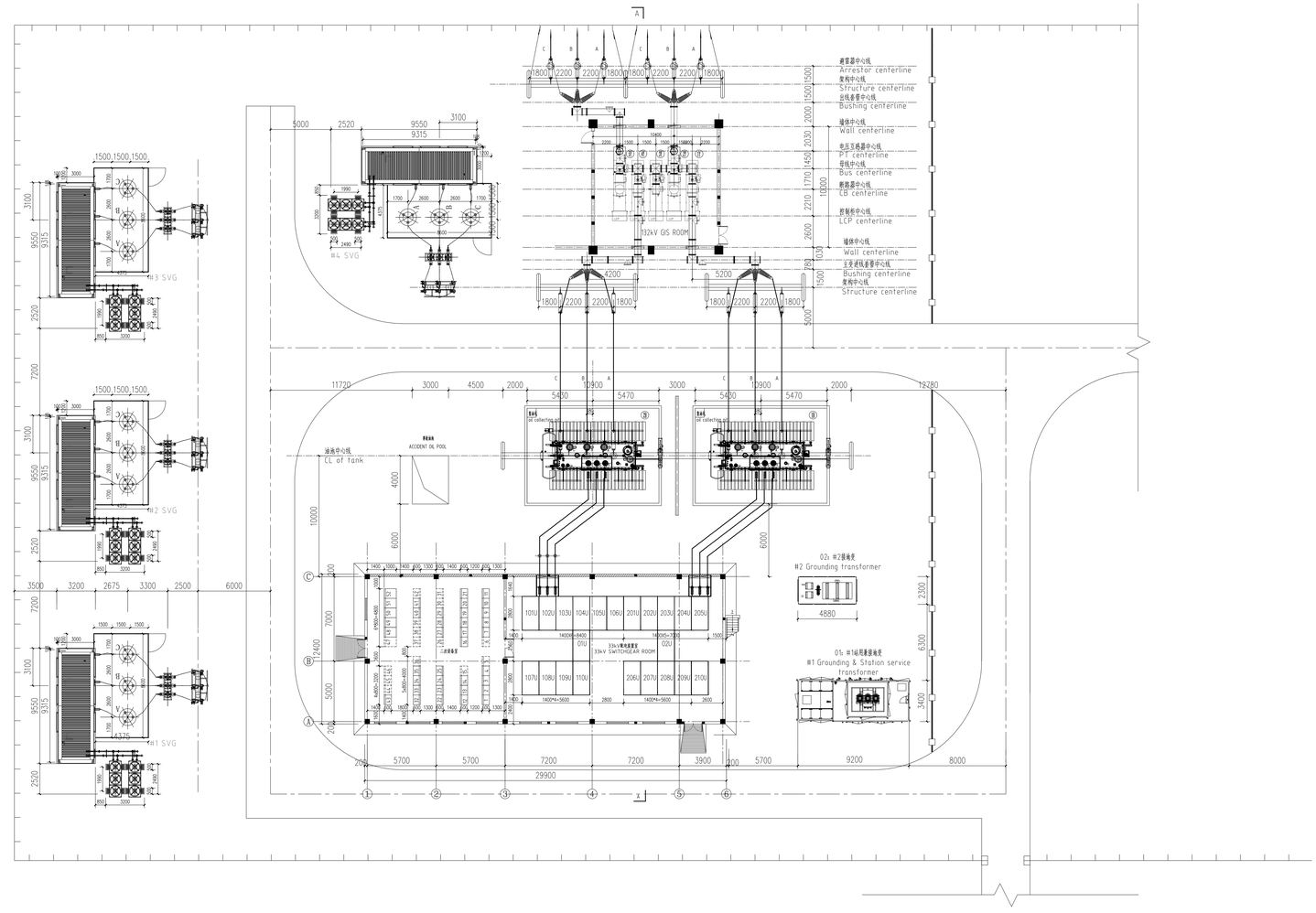

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设备材料表(1)
EQUIPMENT & MATERIAL LIST(1)

符号 Symbol	名 称 name	型式及规格 (Model and specification)	单位 (Unit)	数量 (Quantity)	备 注 (Remark)
1P-4P	通信专业屏柜 Telecommunication Panel	2260(H)x800(W)x600(D)	Set	1	
5P	综合通信管理终端柜 Intergrated Interface Panel	2260(H)x800(W)x600(D)	Set	1	
6P	备用 backup	2260(H)x800(W)x600(D)	Set	1	
7P	图像监控屏Image Monitoring Panel	2260(H)x800(W)x600(D)	Set	1	
8P	保护及故障信息子站柜 Protection and fault information sub-panel	2260(H)x800(W)x600(D)	Set	1	
9P	电能表屏 WH-VARH Metering Panel	2260(H)x800(W)x600(D)	Set	1	
10P	网络对时屏 Network Clock Synchronization Panel	2260(H)x800(W)x600(D)	Set	1	
11P	远动通讯屏 Remote Communication Panel	2260(H)x800(W)x600(D)	Set	1	
12P	132kV线路及公用测控屏 132kV ciucuit and Public Equipments M&C Panel	2260(H)x800(W)x600(D)	Set	1	
13P	故障录波屏 Fault Recorder	2260(H)x800(W)x600(D)	Set	1	
14P	电能质量监测屏 Power quality monitoring Panel	2260(H)x800(W)x600(D)	Set	1	
15P	备用backup	2260(H)x800(W)x600(D)	Set	1	
16P	继电保护试验电源屏Test Power Panel	2260(H)x800(W)x600(D)	Set	1	
17P	33kV母线保护屏 33kV Busbar Protection Panel	2260(H)x800(W)x600(D)	Set	1	
18P	132kV线路保护屏 I 132kV Circuit Protection Panel I	2260(H)x800(W)x600(D)	Set	1	
19P	132kV线路保护屏II 132kV Circuit Protection Panel II	2260(H)x800(W)x600(D)	Set	1	
20P	主变测控屏 Main Transformer M&C Panel	2260(H)x800(W)x600(D)	Set	1	
21P	#1主变保护屏 #1 Transformer Protection Panel	2260(H)x800(W)x600(D)	Set	1	
22P	安稳控制系统柜 Stable control system cabinet	2260(H)x800(W)x600(D)	Set	1	
23P	频率快速反应系统 Frequency rapid response system	2260(H)x800(W)x600(D)	Set	1	
24P	#1蓄电池屏 Battery panel	2260(H)x800(W)x600(D)	Set	1	
25P	#2蓄电池屏 Battery panel	2260(H)x800(W)x600(D)	Set	1	
26P	备用 backup	2260(H)x800(W)x600(D)	Set	1	
27P	直流充电屏1 DC Charge Panel 1	2260(H)x800(W)x600(D)	Set	1	
28P	直流馈线屏1 DC Feeder Panel1	2260(H)x800(W)x600(D)	Set	1	
29P	和2主变保护屏 #2 Transformer Protection Panel	2260(H)x800(W)x600(D)	Set	1	
30P	和2主变保护屏 #2 Transformer Protection Panel	2260(H)x800(W)x600(D)	Set	1	
31P	132kV母线保护屏 132kV Busbar Protection Panel	2260(H)x800(W)x600(D)	Set	1	
32P	调度数据网屏II Dispatch data network panel II	2260(H)x800(W)x600(D)	Set	1	
33P	调度数据网屏I Dispatch data network panel I	2260(H)x800(W)x600(D)	Set	1	
34P	AVC/AGC控制屏 AVC/AGC Control Panel	2260(H)x800(W)x600(D)	Set	1	
35P	防孤岛保护柜 Anti-island Protection Panel	2260(H)x800(W)x600(D)	Set	1	
36P	备用 backup	2260(H)x800(W)x600(D)	Set	1	
37P	备用backup	2260(H)x800(W)x600(D)	Set	1	
38P	备用 backup	2260(H)x800(W)x600(D)	Set	1	
39P	备用 backup	2260(H)x800(W)x600(D)	Set	1	
40P	事故照明屏 Emergency lighting panel	2260(H)x800(W)x600(D)	Set	1	
41P	时环网数电源屏 Uninterrupible Power System Panel	2260(H)x800(W)x600(D)	Set	1	
42P	备用backup	2260(H)x800(W)x600(D)	Set	1	
43P	光伏单智测服务器屏Optical power prediction server Panell	2260(H)x800(W)x600(D)	Set	1	
44P-47P	备用 Backup	2260(H)x800(W)x600(D)	Set	1	
48P	光伏视频监控屏 Photovoltaic video surveillance panel	2260(H)x800(W)x1000(D)	Set	7	
49P	逆变器监控主机屏 Inverter monitoring host panel	2260(H)x800(W)x1000(D)	Set	1	
50P	逆变器监控主机屏 Inverter monitoring host panel	2260(H)x800(W)x1000(D)	Set	1	
51P	组串监控主机屏 Combined.TR monitoring host panel	2260(H)x800(W)x1000(D)	Set	1	
52P	外网专网柜 Extranet special network panel	2260(H)x800(W)x1000(D)	Set	1	

设备材料表(2)
EQUIPMENT & MATERIAL LIST(2)

符号 Symbol	名 称 name	型式及规格 (Model and specification)	单位 (Unit)	数量 (Quantity)	备 注 (Remark)
1Y、4Y	132kV SF6 GIS(#1 Main transformer incoming)	1250A 40kA/(4s) 100kA	Set	2	
2Y、5Y	132kV SF6 GIS(132kV Outgoing)	2000A 40kA/(4s) 100kA	Set	2	
3Y	132kV SF6 GIS(132kV BUS PT)	1250A 40kA/(4s) 100kA	Set	1	

设备材料表(3)
EQUIPMENT & MATERIAL LIST(3)

符号 Symbol	名 称 name	型式及规格 (Model and specification)	单位 (Unit)	数量 (Quantity)	备 注 (Remark)
1B、2B	主变压器 Main Transformer	SFZ11-100000/132、YN、d11、ONAF、	Set	2	
		132±8X1.25%/36.5kV、Uk=10.5%			
		带中性点设备 With Neutral point equipment			
101U/201U	33kV高压开关柜 33kV SWITCHGEAR	带PT Busbar PT	Set	2	
102U/202U	33kV高压开关柜 33kV SWITCHGEAR	KYN61-40.5、Main transformer incoming (Vacuum circuit breaker、2000A 31.5kA/4S)	Set	2	
103L(104L)/203L(204L)	33kV高压开关柜 33kV SWITCHGEAR	KYN61-40.5、SVG (Vacuum circuit breaker、1250A 31.5kA/4s)	Set	4	
105U/206U	33kV高压开关柜 33kV SWITCHGEAR	KYN61-40.5、Grounding & Station service TR (Vacuum circuit breaker、1250A 31.5kA/4s)	Set	2	
107U~110U 207U~210U	33kV高压开关柜 33kV SWITCHGEAR	KYN61-40.5、Photovoltaic collection feeder (Vacuum circuit breakers、1250A 31.5kA/4s)	Set	8	
106U	33kV高压开关柜 33kV SWITCHGEAR	KYN61-40.5、BUS coupling CB cabinet (Vacuum circuit breakers、2000A 31.5kA/4s)	Set	1	
206U	33kV高压开关柜 33kV SWITCHGEAR	KYN61-40.5、BUS coupling CB cabinet (Vacuum circuit breakers、2000A 31.5kA/4s)	Set	1	
01	接地兼站用变 Grounding & Station service transformer	DKSC-1000/33、1000/315kVA	Set	1	
		36.5±2X2.5%/0.415kV、Zn、yn11、U%=8			
02	接地变 Grounding transformer	DKSC-630/33、630kVA	Set	1	
		36.5±2X2.5%kV、Zn、U%=8			
#1~#4 SVG	无功补偿装置 SVG	±125Mvar、直挂、多种 电站、谐等级、智能型、电抗器、隔离开关、 等成套及其连接设备(包括附件) Including power panel, control panel,Reactor, disconnector, PV modules cables etc.	Set	4	

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SHANDONG ELECTRIC POWER ENGINEERING CONSULTING INSTITUTE CORP., LTD.

PROJECT: THE INTEGRATED GAS, PV AND ENERGY STORAGE PROJECT OF MAHESHKHALI IN BANGLADESH 孟加拉孟斯特岛气光储一体化电站项目

DESIGN. PHASE: FEASIBILITY STUDY

APPRD.		CHKD.	
RVWD.		DSGD.	
SCALE	1:200	DATE	03.2023

升压站电气设备平面布置图
General Electric Layoyt Plan (Photovoltaic Substation)

DWG. NO. 37-FA24281K-D-03 REV.