

ELECTRICAL DATASHEET

Doc. No: 240-0101-EMEL-DS00-0003

Job No. : 240

Client : BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

Location : SRIKAIL GAS FIELD, BANGLADESH

Item No. : **02-GIP-1401**, **02-GIP-1402**

Equipment Name : INCOMING PANEL

Project Title. : 60 MMSCFD SILICA GEL DEHYDRATION TYPE NATURAL GAS PLANT

Α	12-May-15	2	ISSUED FOR APPROVAL	AS	MH	VG
Rev.	Date	Page	Description of Revision	Prepared	Checked	Approved

BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. **ELECTRICAL** DATA SHEET



CONSORTIUM OF ZICOM EQUIPMENT PTE LTD. AND



		SINC	OPEC PETROLEUM ENG	INEERING CO	RPORATION		
USER	BANGLADESH PETROLEUM E&P CO. LTD.			DOC NO	240-0101-EMEL-DS00-0003		
LOCATION	SRIKAIL GAS FIELD, BANGLADESH			SERVICE	Incoming Panel		
PROJECT	60 MMSCFD SI	LICA GEL DEHYDRATION TYPE NA	GEL DEHYDRATION TYPE NATURAL GAS PLANT TAG NO 02-GIP-1				
JOB NO	240			QUANTITY	1 set		
	1	Tag No.	02-GIP-1401, 02-GIP-14	102			
	2	Quantity	1				
	3	Service	Incoming Panel				
GENERAL	4	Installation Location (Zone)	Indoor				
	5	Configuration	Skid Mounted Packaged				
	6	Application	Industrial				
	7	Structure Standard	Floor Standing Thru Doo	or Design			
	8	Incoming Voltage	☐208/120V,3PH,4W	☐ 240V, 3PH,	, 3W		
			400/230V,3PH,4 W	☐ 480V, 3PH,	, 3W		
	9	Frequency	50 Hz	☐ 60 Hz			
RATING	10	Main Bus Size	☐ 600 A ☐ 1000 A	1500 A	2000A 🗌 3000 A		
KAINO			☐ 5000 A ☐ 6000 A	☐ 8000 A ☐] Other:		
	11	Phase	☐ Single Phase		ree Phase		
	12	Unit Short Circuit Rating	■ 25kA □ 35kA	☐ 42kA ☐	65kA _ □ 85kA		
	13	Bus Bracing	☐ 42kA ☐ 65kA	☐ 100kA	☐ VBA		
	14	System Grounding	Solidly Grounded	☐ High Resist			
		Bussing Type		unium tin plated	Silver plated copper		
	16	Seismic Brace	No	Yes			
	17	Incoming Connection Type	Cable	Busway			
	18	Incoming Entry Point	Top	Bottom			
	19	Main Breaker Frame Size	VTA		140004 🗇 00004		
		System Ampacity	☐ 600 A ■ 800 A		1600A 2000 A		
	21	Main Lug Only	□ NA □ 600 A	☐ 800 A ☐ 2500 A]1000A		
	22	Enclosure	☐ 1600 A ■ 2000 A ■ NEMA 1	☐ NEMA 4			
STRUCTURAL DETAILS	22	Eliciosule	■ NEMA 2	Other			
			☐ NEMA 3	☐ Ottlei			
	23	Service Entrance	□ No	Yes			
	24	Service Door	Thru Door Design		nind Door Design		
		Paint	Powder Coated Paint				
	26	Starter Types	☐ FVNR ☐ FVR	2 Speed	□RVAT		
		71		/FD CT	SSRV		
	27	Unit Disconnect	Air Circuit Breaker	Fusible			
	28	Unit Wiring	☐Class 1 Type A	Class 1 Typ	oe B ■ Class 2 Type B		
			☐ Class 1 Type C	iMCC Netw	orks Comm		
	30	Other Options	☐ Strip Heaters	Thermos	tat 🔲 Remote Operat		
			☐ Local/Remote Switch	☐ Signal F	Feedback 🗌 TVSS		
	31	Nameplates	White with Black Lett	ers	☐ Reverse Engrave		
			☐ Black with White Lett				
	32	Indicator	ON OFF Vo	olt Amp			
MISCELLANEOUS DETAILS		Metering	Energy Meter				
OCLLANEOUD DETAILO	34	Audible Noise	< 80 dB at 1 m				
	35	Dimensions	VTA				
	36	Depth	VTA				
	37	Weight	VTA				
	38	Manufacturer	ABB, Legrand, GE, Sien	nens, Philips			
	39	Refferance Document	Drawing attached				
Note:							

VTA: Vendor to Advice

TVSS: Transient Voltage Surge Suppressor

PT: Potential Transformer CT: Current Transformer

SMPS: Switch Mode Power Supply

VFD: Variable Frequency Driver FVNR: Full Voltage Non Reversing

FVR: Full Voltage Reversing

RVAT: Reduced-Voltage Autotransformer Starter SSRV: Solid State Reduced Voltage Starters



ELECTRICAL DATASHEET

Doc. No: 240-0101-EMEL-DS00-0003

Job No. : 240

Client : BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

Location : SRIKAIL GAS FIELD, BANGLADESH

Item No. : **02-GIP-1403**

Equipment Name : CHANGE-OVER PANEL

Project Title. : 60 MMSCFD SILICA GEL DEHYDRATION TYPE NATURAL GAS PLANT

Α	12-May-15	2	ISSUED FOR APPROVAL	AS	MH	VG
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BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. BANGLADESH PETROLEUM EXPLORATION & DATA SHEET



CONSORTIUM OF ZICOM EQUIPMENT PTE LTD. AND



	SINOPEC PETROLEUM ENGINEERING CORPORATION							
USER	BANGLADESH PETROLEUM E&P CO. LTD.			DOC NO	240-0214-EMEL-DW00-0003			
LOCATION	SRIKAIL GA	S FIELD, BANGLADESH		SERVICE	Manual Interlock Type Change- over panel			
PROJECT	60 MMSCFD SILICA GEL DEHYDRATION TYPE NATURAL GAS PLANT			TAG NO	02-GIP-1403			
JOB NO	240			QUANTITY	1			
	1	Tag No.	02-GIP-1403					
	2	Quantity	1					
	3	Service	Manual Interlock Type Change-over panel					
GENERAL	4	Installation Location (Zone)	Indoor					
	5	Configuration	Skid Mounted Packaged					
	6	Application	Industrial					
	7	Structure Standard	Floor Standing Thru Door I	-				
	8	Incoming Voltage	208/120V,3PH + N,4W					
			400/230V,3PH + N,4 W		H, 3W			
	9	Frequency	■ 50 Hz	☐ 60 Hz				
RATING	10	Main Bus Size	☐ 600 A ■ 1000 A	☐ 1500 A	_			
_			☐ 5000 A ☐ 6000 A	☐ 8000 A				
	11	Phase	☐ Single Phase		hree Phase			
	12	Unit Short Circuit Rating	■ 25kA □ 35kA]65kA			
	13	Bus Bracing	☐ 42kA ☐ 65kA	100kA	☐ VBA			
	14	System Grounding	Solidly Grounded	High Resi				
	15	Bussing Type	■ Copper ☐ Alumuniu	ım tin plated	Silver plated copper			
	16 17	Seismic Brace	Cable	Yes				
	18	Incoming Connection Type Incoming Entry Point	■ Cable ☐ Top	Busway Bottom				
	19	Main Breaker Frame Size	VTA	Bottom				
	20	System Ampacity	☐ 600 A ■ 800 A	☐ 1200 A []1600A			
	21	Main Lug Only	□ NA □ 600 A		1000A			
		Widin Edg Offiy	☐ 1600 A ■ 2000 A	☐ 2500 A	1000/(1200 /(
	22	Enclosure	NEMA 1	□ NEMA 4				
STRUCTURAL DETAILS			☐ NEMA 2	Other				
			☐ NEMA 3					
	23	Service Entrance	□ No	Yes				
	24	Service Door	Thru Door Design	Be	hind Door Design			
	25	Paint	Powder Coated Paint					
	26	Starter Types	FVNR FVR	2 Speed	d □ RVAT			
			☐ VFD VT ☐ VF	D CT	SSRV			
	27	Unit Disconnect	☐ Circuit Breaker	☐ Fusible				
	28	Unit Wiring	Class 1 Type A	Class 1 T				
			☐ Class 1 Type C		works Comm			
	32	Nameplates	White with Black Letters		Reverse Engrave			
			Black with White Letters					
	33	Temparature	Ambient temperature : 5.6°	C to 41.1°C, F	Humidity: 56% to 100%			
	33	Audible Noise	< 80 dB at 1 m					
	34	Dimensions	VTA					
	35	Depth	VTA					
	36	Weight	VTA	no Dhilina				
	37 39	Manufacturer Refferance Document	ABB, Legrand, GE, Siemer Drawing attached	is, milips				
Note:	<u></u> 38	Incherance Document	Drawing attached					

Note:

VTA: Vendor to Advice

TVSS: Transient Voltage Surge Suppressor

PT: Potential Transformer CT: Current Transformer

SMPS: Switch Mode Power Supply

VFD: Variable Frequency Driver FVNR: Full Voltage Non Reversing

FVR: Full Voltage Reversing

RVAT: Reduced-Voltage Autotransformer Starter SSRV: Solid State Reduced Voltage Starters



ELECTRICAL DATASHEET

Doc. No: 240-0101-EMEL-DS00-0003

Job No. : 240

Client : BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

Location : SRIKAIL GAS FIELD, BANGLADESH

Item No. : 02-MCC-1401 to 02-MCC-1406

Equipment Name : MOTOR CONTROL CENTER

Project Title. : 60 MMSCFD SILICA GEL DEHYDRATION TYPE NATURAL GAS PLANT

Α	12-May-15	2	ISSUED FOR APPROVAL	AS	MH	VG
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BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD. BANGLADESH PETROLEUM DATA SHEET



CONSORTIUM OF ZICOM EQUIPMENT PTE LTD. AND



PRODUCTION CO. LTD.	DATA SHE	ZICOM	SINOPEC PETROLEUM ENGINEERING CORPORATION
USER	DANCI ADEC		
		SH PETROLEUM E&P CO. LT S FIELD, BANGLADESH	
LOCATION		ILICA GEL DEHYDRATION TYPE	
PROJECT	240	ILICA GEL DEHYDRATION TYPE	
JOB NO		ITN-	QUANTITY 1 set
	1	Tag No.	02-MCC-1402 to 02-MCC-1406
	2	Quantity	1
051155.1	3	Service	Motor Control Center
GENERAL	4	Installation Location (Zone)	Indoor
	5	Configuration	Skid Mounted Packaged
	6	Application	Industrial
	7	Structure Standard	Floor Standing drawer structure
	8	Incoming Voltage	☐ 208/120V,3PH,4W ☐ 240V, 3PH, 3W ☐ Other:
			■ 400/230V,3PH,4 W □ 480V, 3PH, 3W
	9	Frequency	■ 50 Hz
RATING	10	Main Bus Size	☐ 600 A ☐ 1000 A ■ 1500 A ☐ 2000A ☐ 3000 A
			☐ 5000 A ☐ 6000 A ☐ 8000 A ☐ Other:
	11	Phase	☐ Single Phase Three Phase
	12	Unit Short Circuit Rating	■ 25kA
	13	Bus Bracing	☐ 42kA ☐ 65kA ☐ 100kA ☐ VBA
	14	System Grounding	Solidly Grounded High Resistance Ungrounded
	15	Bussing Type	Copper Alumunium tin plated Silver plated copper
	16	Seismic Brace	No Yes
	17	Incoming Connection Type	Cable Busway
	18	Incoming Entry Point	☐ Top ■ Bottom
	19	Main Breaker Frame Size	VTA
	20	System Ampacity	☐ 600 A ■ 800 A ☐ 1200 A ☐ 1600A ☐ 2000 A
	21	Main Lug Only	□ NA □ 600 A □ 800 A □ 1000A □ 1200 A
			☐ 1600 A ■ 2000 A ☐ 2500 A
	22	Enclosure	■ NEMA 1 □NEMA 4
STRUCTURAL DETAILS			☐ NEMA 2 ☐ Other
			□ NEMA 3
	23	Service Entrance	∐ No ■ Yes
	24	Service Door	☐ Thru Door Design ■ Behind Door Design
	25	Paint	Powder Coated Paint
	26	Starter Types	FVNR FVR 2 Speed RVAT
			VFD VT □ VFD CT □ SSRV
	27	Unit Disconnect	Circuit Breaker Fusible
	28	Unit Wiring	☐ Class 1 Type A ☐ Class 1 Type B ☐ Class 2 Type B
		0 1 10 1	Class 1 Type C iMCC Networks Comm
	29	Control Source voltage	■ Control Transformer ☐ Separate Control ☐ Other:
	30	Other Options	Strip Heaters Thermostat Remote Ope
			Local/Remote Switch Signal Feedback TVSS
	31	Indicator	Power ON OFF Trip
		Nameplates	■ White with Black Letters □ Reverse Engrave
	32		Black with White Letters
MISCELLANEOUS DETAILS	33	Temparature	Ambient temperature : 5.6°C to 41.1°C, Humidity: 56% to 100%
-	34	Audible Noise	< 80 dB at 1 m
	35	Dimensions	VTA
	36	Depth	VTA
	37	Weight	VTA
	38	Manufacturer	ABB, Legrand, GE, Siemens, Philips
	39	Refferance Document	Drawing attached
Note:			VED V : 11 E

VTA: Vendor to Advice

TVSS: Transient Voltage Surge Suppressor

PT: Potential Transformer CT: Current Transformer

SMPS: Switch Mode Power Supply

VFD: Variable Frequency Driver FVNR: Full Voltage Non Reversing

FVR: Full Voltage Reversing

RVAT: Reduced-Voltage Autotransformer Starter SSRV: Solid State Reduced Voltage Starters



ELECTRICAL DATASHEET

Doc. No: 240-0101-EMEL-DS00-0003

Job No. : 240

Client : BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

Location : SRIKAIL GAS FIELD, BANGLADESH

Item No. : **02-PFI-1401**

Equipment Name : AUTOMATIC POWER FACTOR IMPROVEMENT PANEL

Project Title. : 60 MMSCFD SILICA GEL DEHYDRATION TYPE NATURAL GAS PLANT

Α	12-May-15	2	ISSUED FOR APPROVAL	AS	MH	VG
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BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

ELECTRICAL DATA SHEET



CONSORTIUM OF ZICOM EQUIPMENT PTE LTD. AND



	SINOPEC PETROLEUM ENGINEERING CORPORATION						
USER	BANGLADESH PETROLEUM E&P CO. LTD.			DOC NO	240-0101-EMEL-DS00-0003		
LOCATION SRIKAIL GAS FIELD,		FIELD, BANGLADESH	ADESH		AUTO PFI PANEL		
PROJECT	60 MMSCFD S	SILICA GEL DEHYDRATION TY	PE NATURAL GAS PLAI	TAG NO	02-PFI-1401		
JOB NO	240			QUANTITY	1		
	1	Tag No.	02-PFI-1401				
	2	Quantity	1				
	3	Service	Automatic Power Factor	Improvement I	Panel		
GENERAL	4	Installation Location (Zone)	Indoor				
	5	Configuration	Skid Mounted Packaged				
	6	Application	Industrial				
	7	Structure Standard	VTA				
	8	Incoming Voltage	208/120V,3PH,4W	☐ 240V, 3PH	, 3W		
			400/230V,3PH,4 W	☐ 480V, 3PH	, 3W		
	9	Frequency	50 Hz	☐ 60 Hz			
RATING	10	Main Bus Size	☐ 600 A ☐ 1000 A	1500 A	2000A 🗌 3000 A		
			☐ 5000 A ☐ 6000 A	☐ 8000 A [Other:		
	11	Phase	☐ Single Phase	■ Th	rree Phase		
	12	Capacity	175 kVAR				
	13	System Grounding	Solidly Grounded	High Resis	tance Ungrounded		
	14	Bussing Type	■ Copper	inium tin plated	d ☐ Silver plated copper		
	15	Seismic Brace	No	Yes			
		Incoming Connection Type	Cable	Busway			
		Incoming Entry Point	Тор	Bottom			
		Main Breaker Frame Size	630A	_ <u></u>			
	19	Enclosure	NEMA 1	□NEMA 4			
STRUCTURAL DETAILS			☐ NEMA 2	Other			
			☐ NEMA 3	_			
	20	Service Entrance	∐ No	Yes			
	21	Service Door	Thru Door Design	■ Ber	nind Door Design		
	22	Paint	Powder Coated Paint				
	23	Phase Indication	3 phase indication.				
	24	Unit Disconnect	Circuit Breaker	Fusible			
	25	Capacitor Type			r Bank with Discharge Rasistor.		
		Cooling System	Naturally Air Syster		Air Cooling.		
	27	Other Options	Strip Heaters	Thermos			
			Local/Remote Switch		Feedback TVSS		
		N	Certified Test Reports				
	32	Nameplates	White with Black Lett		Reverse Engrave		
MISCELL ANEOUS DETAILS	20	Audible Neige	Black with White Lett	ers			
MISCELLANEOUS DETAILS		Audible Noise	< 80 dB at 1 m				
		Dimensions Depth	VTA VTA				
		Weight	VTA				
		Manufacturer	ABB, Legrand, GE, Siem	nens Philins			
		Refferance Document	Drawing attached	iono, i miipo			
Note:	55		aming addonou				

VTA: Vendor to Advice

TVSS: Transient Voltage Surge Suppressor

PT: Potential Transformer CT: Current Transformer

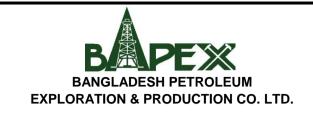
SMPS: Switch Mode Power Supply

VFD: Variable Frequency Driver

FVNR: Full Voltage Non Reversing

FVR: Full Voltage Reversing

RVAT: Reduced-Voltage Autotransformer Starter SSRV: Solid State Reduced Voltage Starters



ELECTRICAL DATASHEET

Doc. No: 240-0101-EMEL-DS00-0003

Job No. : 240

Client : BANGLADESH PETROLEUM EXPLORATION & PRODUCTION CO. LTD.

Location : SRIKAIL GAS FIELD, BANGLADESH

Item No. : **02-LDP-1401**

Equipment Name : LIGHTING PANEL

Project Title. : 60 MMSCFD SILICA GEL DEHYDRATION TYPE NATURAL GAS PLANT

Α	12-May-15	2	ISSUED FOR APPROVAL	AS	MH	VG
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BANGLADESH PETROLEUM EXPLORATION & DATA SHEET DATA SHEET



CONSORTIUM OF ZICOM EQUIPMENT PTE LTD.



PRODUCTION CO. LTD.	DATA SHEE	т 🦰	AND		Slonec		
		ZICOM	SINOPEC PETROLEUM ENGINEERING				
USER	BANGLADES	H PETROLEUM E&P CO. LTD		DOC NO	240-0101-EMEL-DS00-0003-		
LOCATION		FIELD, BANGLADESH		SERVICE	Lighting Panel		
PROJECT		SILICA GEL DEHYDRATION T	TAG NO	02-LDP-1401			
JOB NO	240		QUANTITY	1			
	1	Tag No.	02-LDP-1401				
	2	Quantity	1				
	3	Service	Lighting Panel				
GENERAL	4	Installation Location (Zone)	Indoor				
	5	Configuration	Skid Mounted Package	d			
	6	Application	Industrial				
	7	Structure Standard	Wall mounted Front doo	or design			
	8	Incoming Voltage	208/120V,3PH,4W	☐ 240V, 3PH	H, 3W		
DATING			400/230V,3PH,4 W	☐ 480V, 3Ph	H, 3W		
RATING	9	Frequency	50 Hz	☐ 60 Hz			
	11	Phase	☐ Single Phase	T	hree Phase		
	14	System Grounding	Solidly Grounded	☐ High Resi	stance Ungrounded		
	15	Bussing Type	Copper Alum	unium tin plate	d Silver plated copper		
	16	Seismic Brace	No	Yes			
	17	Incoming Connection Type	Cable	Busway			
	18	Incoming Entry Point	□ Тор	Bottom			
	19	System Ampacity	☐ 600 A ■ 800 A	☐ 1200 A [□1600A □ 2000 A		
	20	Main Lug Only	☐ NA ☐ 600 A	☐ 800 A [□1000A □ 1200 A		
			☐ 1600 A ■ 2000 A	☐ 2500 A			
	21	Enclosure	■ NEMA 1	□NEMA 4			
STRUCTURAL DETAILS			☐ NEMA 2	☐ Other			
OTROGICINAL DETAILS			☐ NEMA 3				
	22	Service Entrance	∐ No	Yes			
	23	Service Door	Thru Door Design	Be	ehind Door Design		
	24	Paint	Powder Coated Paint				
	25	Starter Types	FVNR FVR				
				VFD CT	SSRV		
	26	Unit Disconnect	Circuit Breaker	Fusible			
		Branching	12		_		
	27	Unit Wiring	☐ Class 1 Type A	Class 1 Ty			
			Class 1 Type C		works Comm		
	30	Other Options	Strip Heaters	Thermo			
			Local/Remote Switch		Feedback TVSS		
			Auto/Mannul selec	_			
	31	Nameplates	White with Black Let		Reverse Engrave		
			Black with White Let	ters			
MISCELLANEOUS DETAILS	32	Audible Noise	< 80 dB at 1 m				
	33	Dimensions	VTA				
	34	Depth	VTA				
		Weight	VTA				
	_	Manufacturer	ABB, Legrand, GE, Siemens, Philips				
	39	Refferance Document	Drawing attached				
Note:			\/FD \/ \\ \\ -	D :			
VTA: Vendor to Advice			VFD: Variable Frequency Driver				
TVSS: Transient Voltage Surge Supp	ressor		FVNR: Full Voltage Non Reversing				
PT: Potential Transformer			FVR: Full Voltage Reversing				
CT: Current Transformer			RVAT: Reduced-Voltag SSRV: Solid State Redu				
Sivips: Switch Mode Power Supply	SMPS: Switch Mode Power Supply				tarters		