

BANGLADESH GAS FIELDS COMPANY LIMITED



ELECTRICAL DATASHEET

Doc. No: 252-0101-EMEL-DS00-0003

Job No. : 252

Client : BANGLADESH GAS FIELDS COMPANY LIMITED

Location : TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH

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

Equipment Name : INCOMING PANEL

Project Title. : 2 X 75 MMSCFD GLYCOL DEHYDRATION TYPE NATURAL GAS PLANT

Α	28-Oct-15	2	ISSUED FOR APPROVAL	AS	MH	VG
Rev.	Date	Page	Description of Revision	Prepared	Checked	Approved

CONSORTIUM OF BANGLADESH ZICOM EQUIPMENT PTE LTD. **ELECTRICAL GAS FIELDS DATA SHEET COMPANY LIMITED** SINOPEC PETROLEUM ENGINEERING CORPORATION USFR BANGLADESH GAS FIELDS COMPANY LIMITED DOC NO 252-0101-EMEL-DS00-0003 OCATION TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH SERVICE Incoming Panel PROJECT 2 X 75 MMSCFD GLYCOL DEHYDRATION TYPE NATURAL GAS PLANT TAG NO 02-GIP-1401, 02-GIP-1402 JOB NO 252 QUANTITY 2 Sets 02-GIP-1401, 02-GIP-1402 Tag No. 2 Quantity 2 Set Service 3 Incoming Panel GENERAL 4 Installation Location (Zone) Indoor Skid Mounted Packaged 5 Configuration 6 Application Industrial 7 Structure Standard Floor Standing Thru Door Design 8 208/120V,3PH,4W 240V, 3PH, 3W Incoming Voltage Other: 480V, 3PH, 3W 400/230V,3PH,4 W 9 50 Hz ☐ 60 Hz Frequency ☐ 600 A ☐ 1000 A ■ 1500 A □ 2000A □ 3000 A 10 Main Bus Size **RATING** ☐ 5000 A ☐ 6000 A ■ 8000 A ■ Other: Three Phase 11 ☐ Single Phase Phase ☐ 65kA ■ 85kA 12 Unit Short Circuit Rating ☐ 35kA ☐ 42kA 25kA Bus Bracing 42kA ☐ 100kA VBA 13 65kA System Grounding Solidly Grounded ☐ High Resistance Ungrounded 14 15 **Bussing Type** Copper Copper Tin Plated Silver plated copper 16 Seismic Brace No Yes Cable 17 Incoming Connection Type Busway 18 Incoming Entry Point ☐ Top Bottom 19 Main Breaker Frame Size VTA 20 600 A 800 A ☐ 1200 A ☐ 1600A ☐ 2000 A System Ampacity ☐ 800 A ☐ 1000A ☐ 1200 A 21 Main Lug Only 300A ☐ 600 A ☐ 1600 A ☐ 2000 A 2500 A ☐ NEMA 1 □NEMA 4 22 Enclosure STRUCTURAL DETAILS ☐ NEMA 2 □ IP41 ☐ NEMA 3 IP42 23 Service Entrance ∐ No Yes 24 Thru Door Design Behind Door Design Service Door Powder Coated Paint 25 Paint ☐ FVNR 26 FVR 2 Speed Starter Types RVAT ☐ VFD VT ☐ VFD CT □ SSRV Fusible 27 Unit Disconnect Air Circuit Breaker 28 Unit Wiring ☐ Class 1 Type A Class 1 Type B Class 2 Type B ☐ iMCC Networks Comm ☐ Class 1 Type C 29 Other Options Strip Heaters Thermostat Remote Opera ☐ Local/Remote Switch Signal Feedback □ TVSS 30 White with Black Letters Reverse Engrave Nameplates Black with White Letters ON OFF Volt Amp 31 Indicator 32 Energy Meter Metering **MISCELLANEOUS DETAILS** 33 Audible Noise < 80 dB at 1 m

Note:

VTA: Vendor to Advice

TVSS: Transient Voltage Surge Suppressor

34

35

36

37

38

Dimensions

Manufacturer

Refferance Document

Depth

Weight

PT: Potential Transformer CT: Current Transformer

SMPS: Switch Mode Power Supply

VFD: Variable Frequency Driver FVNR: Full Voltage Non Reversing

ABB, Legrand, GE, Siemens, Mitsubishi
Drawing attached: 252-0212-EMEL-DW00-0002

FVR: Full Voltage Reversing

VTA

VTA

VTA

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



BANGLADESH GAS FIELDS COMPANY LIMITED

ELECTRICAL DATASHEET

Doc. No: 252-0101-EMEL-DS00-0003

Job No. : 252

Client : BANGLADESH GAS FIELDS COMPANY LIMITED

Location : TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH

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

Equipment Name : MOTOR CONTROL CENTER

Project Title. : 2 X 75 MMSCFD GLYCOL DEHYDRATION TYPE NATURAL GAS PLANT

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BANGLADESH GAS FIELDS COMPANY ELECTRICAL DATA SHEET



CONSORTIUM OF ZICOM EQUIPMENT PTE LTD. AND

LIMITED	SINOPEC PETROLEUM ENGINEERING CORPORATION							
USER	BANGLADE	SH GAS FIELDS COMPANY LII	MITED	DOC NO	252-0101-EMEL-DS00-0003			
LOCATION		FIELD, BRAHMANBARIA,BANG		SERVICE	MCC			
PROJECT		FD GLYCOL DEHYDRATION TYPE		TAG NO	02-MCC-1201 to 02-MCC-1206			
JOB NO	252			QUANTITY	1 Set			
	1	Tag No.	02-MCC-1402 to 02-M					
	2	Quantity	1 set	1100				
	3	Service	Motor Control Center					
GENERAL	4	Installation Location (Zone)	Indoor					
02.12.1.7.12	5	Configuration	Skid Mounted Package	ad .				
	6	Application	Industrial	,u				
	7	Structure Standard	Floor Standing drawer	structure				
	8	Incoming Voltage	208/120V,3PH,4W	240V, 3PI	H, 3W Other:			
		meening voltage	400/230V,3PH,4 W	480V, 3P				
	9	Frequency	50 Hz	☐ 60 Hz	11, 500			
	10	Main Bus Size	☐ 600 A ☐ 1000 A	_=	П2000А П 3000 А			
RATING	10	IVIAITI DUS CIZC	☐ 5000 A ☐ 6000 A		Other:			
	11	Phase	Single Phase		Three Phase			
	12	Unit Short Circuit Rating	■ 25kA □ 35kA		65kA 85kA			
	13	Bus Bracing	☐ 42kA ☐ 65kA		□ VBA			
	14	System Grounding	Solidly Grounded	High Resi	<u> </u>			
	15	Bussing Type		per 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	Bottom				
	20	System Ampacity	☐ 600 A ■ 800 A	☐ 1200 A	□1600A □ 2000 A			
	21	Main Lug Only	■ NA □ 600 A		□ 1000A □ 2000 A □ 1200 A			
		Wall Lug Olly	☐ 1600 A ☐ 2000 A					
	22	Enclosure	□ NEMA 1	□ NEMA 4				
STRUCTURAL DETAILS		Enclosure	☐ NEMA 2	☐ IP41				
			□ NEMA 3	IP42				
	23	Service Entrance	□ No	Yes				
	24	Service Door	☐ Thru Door Design		ehind Door Design			
	25	Paint	Powder Coated Paint		a			
	26	Starter Types (As per applicati		2 Speed	d 🗌 RVAT			
		Ctartor Types (no per applicati			SSRV			
	27	Unit Disconnect	Circuit Breaker	☐ Fusible				
	28	Unit Wiring	Class 1 Type A	Class 1 T	ype B Class 2 Type B			
			Class 1 Type C		tworks Comm			
	29	Control Source voltage	Control Transformer					
	30	Other Options	Strip Heaters	Thermo				
		Care opacie	Local/Remote Switch		I Feedback TVSS			
	31	Indicator	Power ON		Trip			
		Nameplates	White with Black Le		Reverse Engrave			
	32	ramoplato	Black with White Le					
	33	Temparature			C, Humidity: 56% to 100%			
MISCELLANEOUS DETAILS	34	Audible Noise	< 80 dB at 1 m					
	35	Dimensions	VTA					
	36	Depth	VTA					
	37	Weight	VTA					
	38	Manufacturer	ABB, Legrand, GE, Siemens, Mitsubishi					
	39	Refferance Document	Drawing attached: 252-0212-EMEL-DW00-0003					
Note:			ag attaonoa. 202					
VTA: Vendor to Advice			VFD: Variable Frequen	cv Driver				
TVSS: Transient Voltage Surge Supp	ressor		FVNR: Full Voltage No	•				
PT: Potential Transformer					FVR: Full Voltage Reversing			

CT: Current Transformer

SMPS: Switch Mode Power Supply

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



BANGLADESH GAS FIELDS COMPANY LIMITED



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ELECTRICAL DATASHEET

Doc. No: 252-0101-EMEL-DS00-0003

Job No. : 252

Client : BANGLADESH GAS FIELDS COMPANY LIMITED

Location : TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH

Item No. : 02-PFI-1201

Equipment Name : AUTOMATIC POWER FACTOR IMPROVEMENT PANEL

Project Title. : 2 X 75 MMSCFD GLYCOL DEHYDRATION TYPE NATURAL GAS PLANT

Α	28-Oct-15	2	ISSUED FOR APPROVAL	AS	MH	VG
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CONSORTIUM OF **BANGLADESH** ZICOM EQUIPMENT PTE LTD. **ELECTRICAL GAS FIELDS DATA SHEET** AND COMPANY LIMITED SINOPEC PETROLEUM ENGINEERING CORPORATION USER BANGLADESH GAS FIELDS COMPANY LIMITED DOC NO 252-0101-EMEL-DS00-0003 OCATION TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH SERVICE **AUTO PFI PANEL** PROJECT 2 X 75 MMSCFD GLYCOL DEHYDRATION TYPE NATURAL GAS PLANT TAG NO 02-PFI-1201 JOB NO 1 SET QUANTITY Tag No. 02-PFI-1201 1 2 Quantity 1 set 3 Service Automatic Power Factor Improvement Panel **GENERAL** 4 Installation Location (Zone) Indoor Skid Mounted Packaged 5 Configuration Application 6 Industrial 7 Structure Standard VTA 8 Incoming Voltage 208/120V,3PH,4W 240V, 3PH, 3W Other: 400/230V,3PH,4 W ☐ 480V, 3PH, 3W 50 Hz ☐ 60 Hz 9 Frequency **RATING** ☐ 600 A ■ 1500 A □ 2000A □ 3000 A □ 1000 A 10 Main Bus Size ☐ 5000 A ☐ 6000 A 8000 A Other: ☐ Single Phase 11 Three Phase Phase 12 Capacity 175 kVAR System Grounding Solidly Grounded ☐ High Resistance Ungrounded 14 Bussing Type Copper Copper Tin plated ☐ Silver plated copper 15 Seismic Brace No ☐ Yes Busway Incoming Connection Type ☐ Cable 16 Incoming Entry Point 17 Тор ☐ Bottom 18 Main Breaker Size 630A ☐ NEMA 1 □NEMA 4 19 Enclosure ☐ NEMA 2 ☐ IP41 STRUCTURAL DETAILS ☐ NEMA 3 IP42 20 ☐ No Service Entrance Yes Thru Door Design Behind Door Design 21 Service Door Powder Coated Paint 22 Paint Phase Indication 3 phase indication. 23 24 Circuit Breaker ☐ Fusible Unit Disconnect 25 Dry type, Self Healing, Compact Capacitor Bank with Discharge Rasistor. Capacitor Type 26 Cooling System Naturally Air System Forced Air Cooling. 27 Other Options Strip Heaters Thermostat Remote Operate Local/Remote Switch Signal Feedback TVSS Certified Test Reports White with Black Letters 28 Nameplates Reverse Engrave ☐ Black with White Letters **MISCELLANEOUS DETAILS** 29 Audible Noise < 80 dB at 1 m 30 Dimensions VTA 31 Depth VTA 32 Weight VTA

Note:

VTA: Vendor to Advice

TVSS: Transient Voltage Surge Suppressor

33

34

Manufacturer

Refferance Document

PT: Potential Transformer CT: Current Transformer

SMPS: Switch Mode Power Supply

VFD: Variable Frequency Driver FVNR: Full Voltage Non Reversing FVR: Full Voltage Reversing

ABB, Legrand, GE, Siemens, Mitsubishi

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

Drawing attached: 252-0212-EMEL-DW00-0002



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ELECTRICAL DATASHEET

Doc. No: 252-0101-EMEL-DS00-0003

Job No. : 252

Client : BANGLADESH GAS FIELDS COMPANY LIMITED

Location : TITAS GAS FIELD, BRAHMANBARIA, BANGLADESH

Item No. : 02-LDP-1201

Equipment Name : LIGHTING PANEL

Project Title. : 2 X 75 MMSCFD GLYCOL DEHYDRATION TYPE NATURAL GAS PLANT

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Note:

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Weight

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PT: Potential Transformer CT: Current Transformer

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ABB, Legrand, GE, Siemens, Philips

VTA

Drawing attached

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