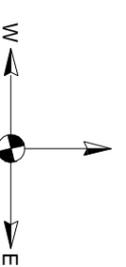


PLANT NORTH
TRUE NORTH



- GENERAL NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL COORDINATES ARE IN METERS.
 2. THE DESIGN ELEVATION ±0.000m CORRESPOND LEVELS TAKEN WRT BS-01 5722m.

HOLD

1. THE DIMENSIONS FOR SWITCHGEAR, DISTRIBUTION PANEL, CONTROL PANEL, RELAY CABINET, BUS DUCT LAYOUT, UPS, BATTERY AND ETC. ARE FOR REFERENCE ONLY NOW, WHICH WILL BE UPDATED ACCORDING TO VENDOR DOCUMENT LATER.
2. 01 NO. OF NEW SWITCHGEAR/MCC PANELS SHALL BE ADDED AND COPIED WITH EXISTING MAIN DISTRIBUTION BOARD.
3. MCC PANEL DIMENSIONS ARE INDICATIVE ONLY. EPC CONTRACTORS SHALL UPDATE THIS LAYOUT AS PER VENDOR PROVIDED DIMENSIONS.
4. PROPOSED LOCATION OF NEW MCC PANELS MAY SLIGHTLY VARY AFTER DISCUSSION/APPROVAL WITH OGDCL/CONSULTANT.
5. SUPPLY AND INSTALLATION OF CABLE GLAND BOX WHICH INCLUDES MS-BASE PLATES, MS-CHANNELS, SUPPORTS, NUTS, BOLTS, WASHERS, CLAMPS ETC. REQUIRED FOR COMPLETE INSTALLATION OF SWITCHGEAR/MCC PANELS IS EPC CONTRACTOR'S SCOPE.
6. FLOOR OPENING/CORE CUTTING FOR EXTENSION OF THE NEW SWITCHGEAR & MCC PANELS INCLUDING INSTALLATION MATERIAL FOR CONSTRUCTION RELATED CIVIL WORKS IS INCLUDED IN EPC CONTRACTOR'S SCOPE. COMPLETE IN ALL RESPECTS.
7. SUPPLY & INSTALLATION OF CABLE TRAY IN GROUND FLOOR OF EXISTING ELECTRICAL BUILDING FOR ADDITIONAL CABLES IS EPC CONTRACTOR'S SCOPE.
8. FOLLOWING LAYOUTS/DETAILS SHALL BE UPDATED BY EPC CONTRACTORS AS PER VENDOR DATA:
 - LAYOUT FOR ELECTRICAL BUILDING GROUND FLOOR (SHEET 1 OF THIS DRAWING)
 - CABLE TRAY LAYOUT PLAN AT DIFFERENT DESIGN ELEVATIONS (SHEET 2 & 3 OF THIS DRAWING)

EQUIPMENT LIST

EQP. NO.	EQPT. DESCRIPTION AND CAPACITY	UNIT QTY.	REMARK
①	0.4KV SWITCHGEAR FOR MAIN DISTRIBUTION BOARD	SET 20	
②	AC UPS	SET 1	
③	0.4KV SWITCHGEAR FOR MCC 1# DISTRIBUTION BOARD	SET 12	
④	0.4KV SWITCHGEAR FOR MCC 2# DISTRIBUTION BOARD	SET 12	
⑤	0.4KV SWITCHGEAR FOR MCC 3# DISTRIBUTION BOARD	SET 9	
⑥	0.4KV SWITCHGEAR FOR MCC 4# DISTRIBUTION BOARD	SET 4	
⑦	AC UPS BATTERY BANK	SET 6	
8-1	RIGEN GAS COMPRESSOR CONTROL CABINET A		
8-2	RIGEN GAS COMPRESSOR CONTROL CABINET B		
8-3	CONDENSATE SHUTTER OVERHEAD COMPRESSOR CONTROL CABINET		
8-4	SILE GAS COMPRESSOR CONTROL CABINET A		
8-5	SILE GAS COMPRESSOR CONTROL CABINET B		
8-6	SILE GAS COMPRESSOR CONTROL CABINET C		
8-7	FRONT DNO GAS COMPRESSOR MCC/CONTROL PANEL A		
8-8	FRONT DNO GAS COMPRESSOR MCC/CONTROL PANEL B		
8-9	FRONT DNO GAS COMPRESSOR MCC/CONTROL PANEL C		
8-10	FRONT DNO GAS COMPRESSOR MCC/CONTROL PANEL D		

LEGEND



REFERENCE DOCUMENTS

TITLE	DOC No.
ELECTRICAL DESIGN BASIS	NCP-000-ELE-15-05-0001-00
SPECIFICATION FOR LV SWITCHGEAR / MCC	NCP-000-ELE-15-03-0005-13
STANDARD FOR IN-INTERTRIPLE POWER SUPPLY SYSTEM (AC-UPS)	NCP-000-ELE-15-03-0004
ARCHITECTURAL DRAWING FOR ELECTRICAL BUILDING	NCP-010-ARC-15-01-0002-13

REV.	DESCRIPTION	PREP	CHKD	REV'D	APPD	DATE
A	Internal Discipline Check	Wang Haitao	Zhang Xinyi	Bai Hejun	Cheng Xin	12/04/2016
B	Issued for Review	Wang Haitao	Zhang Xinyi	Bai Hejun	Cheng Xin	18/05/2016
C	Issued for Approval	Wang Haitao	Zhang Xinyi	Bai Hejun	Cheng Xin	28/09/2016
00	Approved for Construction	Wang Haitao	Zhang Xinyi	Bai Hejun	Cheng Xin	10/12/2016

CUSTOMER
OIL & GAS DEVELOPMENT COMPANY LTD.
OPERATIONAL TOWER-05, FIRST FLOOR, RIGEN, SULE AREA, ANNAH VENTURE ISLAMABAD DISTRICT.
P.O. BOX 202, KARACHI-74200, PAKISTAN. PHONE: 4424561500/4424561501

ENAR | ENAR PETROTECH SERVICES (PVT) LTD.
Enar No. 7-8, Sector-7A, Knowledge Industrial Area
Faisalabad, Pakistan. Website: www.enar.com.pk

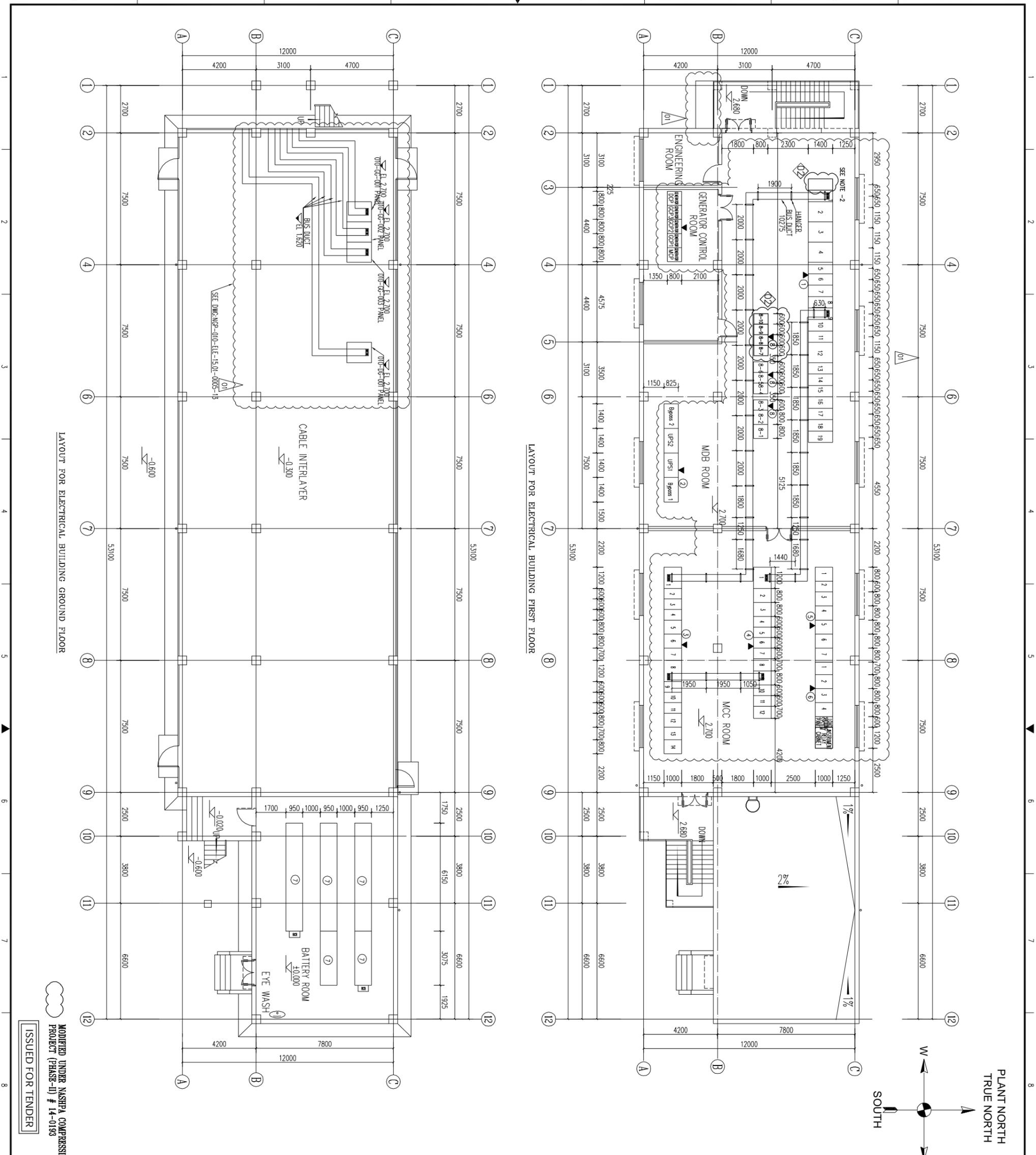
Zishan Engineers (Pvt.) Ltd.
An ISO 9001:2008 certified company
47/F, Bank 6, PECOS, Karamah-District
74, (82-81) Sakardua-48 & Sakardua-54, Rai, (82-81) Sakardua & Sakardua
Faisalabad, Pakistan. Email: info@zishan.com.pk, sales@zishan.com.pk, zishan@zishan.com.pk

HONG KONG HUIHUA GLOBAL TECHNOLOGY LIMITED
PROJECT NO. MASHPA 1247
DRAWING NO. NCP-010-ELE-15-01-0009-13

MODIFIED UNDER MASHPA COMPRESSION PROJECT (PHASE-II) # 14-0193

ISSUED FOR TENDER

DRAWING TITLE: LAYOUT FOR ELECTRICAL BUILDING
REV. SCALE SHEET
1:100 1 OF 3
Drawing Size: ISO A1 (W)



LAYOUT FOR ELECTRICAL BUILDING FIRST FLOOR

LAYOUT FOR ELECTRICAL BUILDING GROUND FLOOR