



THIS DRAWING

ON	AS BUILT
----	----------

DESCON

TEL

~~ATC~~

AS BUILT

ISSUED FOR
CONSTRUCTION

NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. THE LOCATION OF THE PANELS INDICATIVE. SAME IS SUBJECT TO VARIATION OWING TO SITE CONDITIONS. ANY ON-SITE CHANGES REQUIRED AS PER SITE CONDITIONS SHALL BE IMPLEMENTED ONLY AFTER DUE APPROVAL FROM OGDCL/ZEL SITE ENGINEER.

Q1	27-01-16	ISSUED FOR CONSTRUCTION	AHS	ARW	N/A
REV.	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED	APPR.

CLIENT: **OIL & GAS DEVELOPMENT COMPANY LTD.**

FOR GENERAL NOTES, SEE SHEET NO. 02

For General notes, refer sheet no.02

CONSULTANT.

Uttishan Engineers (Pvt.) Ltd.

Pushan Engineers (Pvt.) Ltd.
An ISO 9001-2008 certified company

DWG. NO.
165-4-ELL-018

J.F. Beck & PEGS, Knoxville, TN
Tel: (623-27) 3430345-43 & 3430151-54, Fax: (623-27) 34523430 & 3450156
Main contact: zsl@zslavengers.com Website: www.zslavengers.com

REV. CO

JOB NO. _____

PD-TAY INTEGRATED DEVELOPMENT
PROJECT PHASE II

165

PROJECT PHASE-II

SIZE	SCALE
------	-------

EQUIPMENT LAYOUT OF MCC BUILDING

20	2000
----	------

Notes

- 1- NEW SWITCHGEAR / MCC PANELS (EXTENSION OF 103-MCC-05, BUS-A & BUS-B) SHALL BE INSTALLED IN SUPERVISOR ROOM.
- 2- POWER SUPPLY FOR THE NEW SWITCHGEAR/MCC (BUS-A) AS ILLUSTRATED ON TO SINGLE LINE DIAGRAM SHALL BE SUPPLIED FROM EXISTING SWITCHGEAR MCC (103-MCC-05) THRU POWER CABLES. FREE SPACE CUBICAL AVAILABLE IN PANEL#1 (BUS-A) SHALL BE UTILIZED IN THIS REGARD.
- 3- POWER SUPPLY FOR THE NEW SWITCHGEAR/MCC (BUS-B) AS ILLUSTRATED ON TO SINGLE LINE DIAGRAM SHALL BE SUPPLIED FROM EXISTING SWITCHGEAR MCC (103-MCC-05) THRU POWER CABLES. AVAILABLE SPARE EQUIPED FEEDER (F-61, 400A, PANEL# 11, BUS-B) SHALL BE UTILIZED IN THIS REGARD.
- 4- SWITCHGEAR/MCC VENDOR IS REQUIRED TO OFFER NEW SWITCHGEAR/MCC PANELS DIMENSIONS THAT SHALL BE ARRANGED IN ALLOCATED SPACE WITHOUT JEOPARDIZING/ENCROACHING SAFETY AND MAINTENANCE CLEARANCES.
- 5- CABLE ENTERIES FOR THE NEW PANELS SHALL BE SUITABLE FROM TOP REAR SIDE.
- 6- EXPECTED DIMENSION (WXDXH) MM OF EACH MAIN INCOMER PANEL IS 600X1000X2200, FEEDER AND STARTER PANEL 600X1000X2200. NOS. OF PANELS AND DIMENSIONS ARE EXPECTED/TENTATIVE, THEREFORE, AS-BUILDING OF THIS LAYOUT, ALONG WITH ACTUAL DIMENSION DURING DETAIL ENGINEERING SHALL BE UPDATED BY CONTRACTOR.
- 7- AREA MARKED IN GREEN REGION ARE APPLICABLE TO SUBJECT PROJECT WHILE RED MARKED REGION ARE EXISTING SYSTEM.
- 8- EPC CONTRACTOR SHALL CONSIDER AND FINALIZE THE PROVISION OF CABLE ENTRIES INSIDE THE MCC ROOM AS PER PROJECT REQUIREMENT. ADDITIONAL SLEEVES (IF REQUIRED) SHALL BE INSTALLED FOR CABLE ENTRIES IN THE ROOM. ALL THE CIVIL WORKS IN THE REGARD I.E. MAKING HOLE IN WALL, INSTALL THE SLEEVES AND RE-INSTATE THE WALL ETC. IS IN THE SCOPE OF CONTRACTOR.
- 9- ALL THE MATERIAL AND WORK REQUIRED FOR PANEL INSTALLATION SHALL BE IN THE SCOPE OF CONTRACTOR AND PROVIDED ACCORDINGLY. MATERIAL APPROVAL SHALL BE SOUGHT FROM CLIENT (OGDCL).
- 10- POWER AND CONTROL CABLES SHALL RUN ABOVE THE SWITCHGEAR/MCC PANELS VIA CABLE TRAY IN MCC ROOM. IN THIS REGARD, CABLE TRAYS OF SUITABLE SIZES SHALL BE INSTALLED WHERE REQUIRED.
- 11- EXIT LIGHT SHALL BE INSTALLED AT THE ENTRANCE OF ROOM.
- 12- SUPPLY, INSTALLATION AND TESTING OF ANTI-STATIC RUBBER MAT FOR ELECTRICAL INSULATION TO BE INSTALLED IN MCC ROOM.
- 13- EPC CONTRACTOR SHALL EVALUATE EXISTING LIGHTING SYSTEM IS ADEQUATE AS REQUIRED IN SUPERVISOR ROOM, IN LATTER CASE, ADDITIONAL LUMANARIES SHALL BE INSTALLED TO MEET THE STANDARD / REQUIRED LUX LEVEL.
- 14- EPC CONTRACTOR SHALL INSTALL SPLIT TYPE AIR CONDITIONING SYSTEM IN THE SUPERVISOR ROOM. IN THIS REGARD, AIR CONDITIONING CALCULATION SHALL BE PROVIDED TO DETERMINE THE NO. OF UNITS FOR SPLIT TYPE ACS.