



NOTES-

1. ALL DIMENSIONS ARE IN MILLIMETERS AND COORDINATES IN METERS, UNLESS OTHERWISE NOTED.
2. AREA CLASSIFICATION ARE IN ACCORDANCE WITH API-RP-505.
3. DEVELOPED LAYOUT IS BASED ON FEED ENGINEERING AND PRESENT ONLY MAJOR ELECTRICAL EQUIPMENT/AREAS. EPCC CONTRACTOR SHALL DEVELOP/PRODUCE DETAIL ENGINEERING LAYOUTS, ALONG WITH TYPICAL DETAILS AND EQUIPMENT SCHEDULE. INFORMATION TO BE MENTIONED IN AFORESAID DOCUMENT SHALL BE AS MINIMUM AS MENTIONED ON TO HAZARDOUS AREA CLASSIFICATION DATA SHEET (EXAMPLE-11) PART I (FLAMMABLE MATERIAL LIST AND CHARACTERISTICS) AND PART II (LIST OF SOURCES OF RELEASE) OF IEC-60079-10.
4. ALL THE EQUIPMENT SHALL BE SUITABLE FOR CLASS 1, GAS GROUP IIA GASES AND VAPORS WITH A SURFACE TEMPERATURE CLASSIFICATION CLASS T4, EXCEPT INTERNAL LOCATIONS (INDOOR) WHERE BATTERIES TO BE PLACED SHALL BE SUITABLE FOR CLASS 1, GAS GROUP IIC GASES AND VAPORS WITH A SURFACE TEMPERATURE CLASSIFICATION OF CLASS T4.
5. PRACTICE OF NON EX EQUIPMENT ABOVE HAZARDOUS AREAS IS NOT ALLOWED, ONLY CLASSIFIED EQUIPMENT MINIMUM SUITABLE FOR IMMEDIATE ZONE SHALL BE INSTALLED ABOVE HAZARDOUS AREAS BECAUSE NON EX EQUIPMENT AND CONNECTING CIRCUITS MAY BECOME A SOURCE OF IGNITION DURING ANY FAULT CONDITION OR MAY PRODUCE HOT PARTICLES OR HOT SURFACES WHEN DAMAGE OCCURS TO THE EQUIPMENT.
6. HAZARDOUS AREA CLASSIFICATION DRAWINGS SHALL BE PREPARED CONSIDERING ALL THE POSSIBLE SOURCES OF HAZARD COMPREHENSIVELY. DISCRIMINATION BETWEEN BOUNDARIES AND BETWEEN ZONES AND UNCLASSIFIED AREAS SHALL BE SMOOTHLY AS POSSIBLE TO REMOVE UNMANAGEABLE DETAILS. E.G. POCKET OF "NON-HAZARDOUS AREA" WITHIN A GENERAL "HAZARDOUS AREA" SHALL NOT BE ACCEPTABLE.

LEGENDS-

- SAFE AREA NON-HAZARDOUS
- ZONE 1 AREA
- ZONE 2 AREA

RE-ISSUED FOR TENDER

1	25-02-2022	RE-ISSUED FOR TENDER	MAA	JAB	MAS
0	07-01-2022	ISSUED FOR TENDER	MAA	JAB	MAS
REV.	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED	APPR.
CLIENT: OIL & GAS DEVELOPMENT COMPANY LTD. ODDCL HOUSE TOWER-8, FIRST FLOOR P-6/8, BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN FAX: +92 51 2623033, PHONE: +92 51 4209859					
ENAR PETROTECH SERVICES (PRIVATE) LIMITED 7-B, Sector 7-A Korangi Industrial Area, Karachi Pakistan TEL: (9221) 5062791 E-mail: info@enar.com.pk URL: www.enar.com.pk			DWG. NO. 0258-ELD-6704 REV. 1		
PROJECT : KPD-TAY COMPRESSION PROJECT			JOB NO. 14-0258		
TITLE : HAZARDOUS AREA CALCIFICATION LAYOUT TAY-03 GGS			SIZE A3	SCALE 1:450	SHEET 1 OF 1