



KEY PLAN

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 OCCUR TO THE EQUIPMENT.
6. HAZARDOUS AREA CLASSIFICATION DRAWINGS SHALL BE PREPARED CONSIDERING ALL THE POSSIBLE SOURCES OF HAZARDS 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	WAS/SJA	MAS
0	07-01-2022	ISSUED FOR TENDER	MAA	WAS/SJA	MAS
REV.	DATE	DESCRIPTION OF REVISION	DRAWN	CHECKED	APPR.
CLIENT: OIL & GAS DEVELOPMENT COMPANY LTD. OGDCL HOUSE TOWER-8, FIRST FLOOR FBG6, BLUE AREA, JINNAH AVENUE ISLAMABAD PAKISTAN FAX: +92 51 2823033, PHONE: +92 51 4209859					
ENAR PETROTECH SERVICES (PRIVATE) LIMITED			DWG. NO. 0258-ELD-6707		
PROJECT : KPD-TAY COMPRESSION PROJECT			REV. 1		
HAZARDOUS AREA CLASIFICATION LAYOUT FOR NEW KPD COMPRESSION AREA (GPP)			JOB NO. 14-0258		
TITLE			SIZE A1	SCALE 1:1100	SHEET 1 OF 1