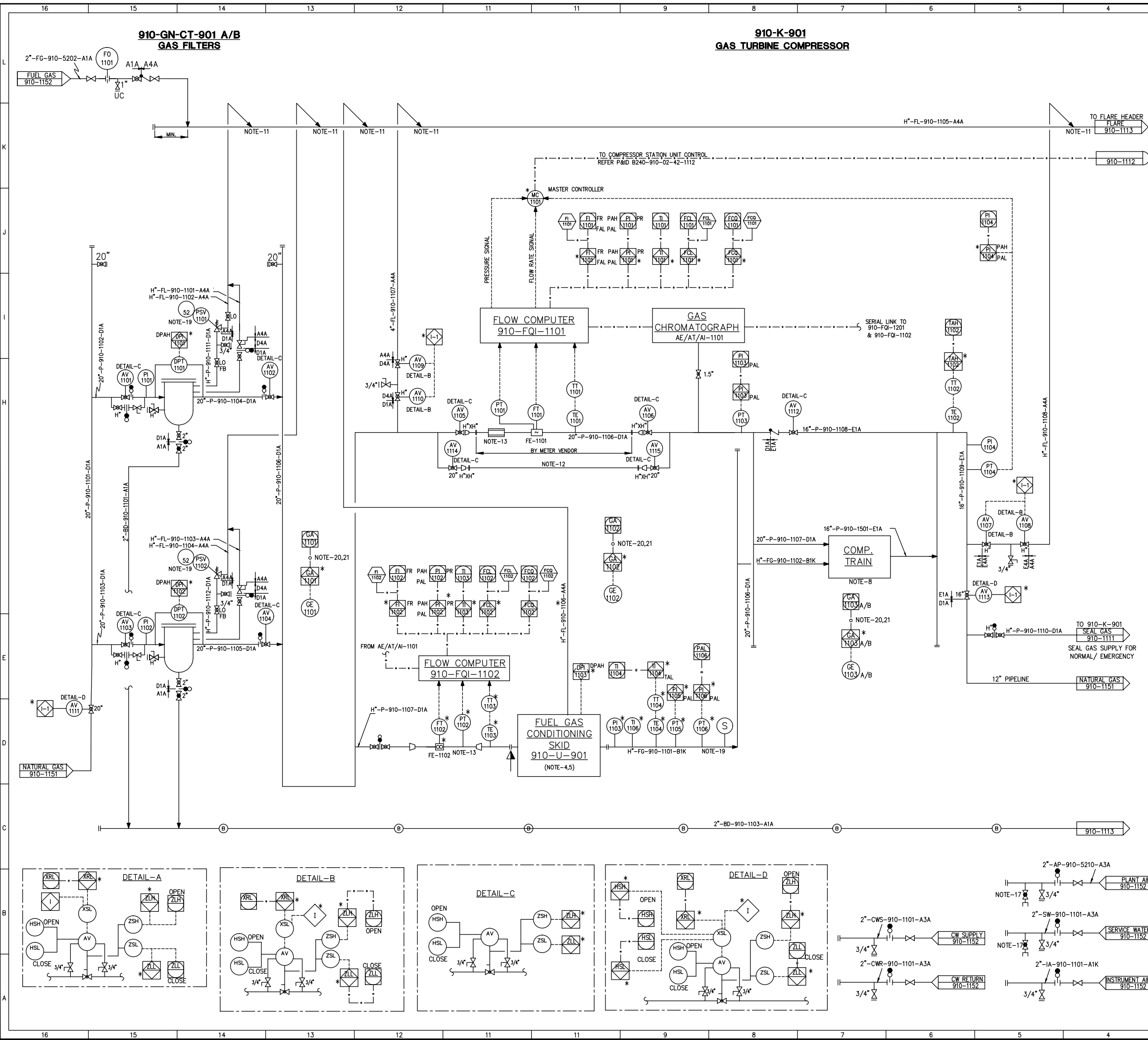


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NOTES:-

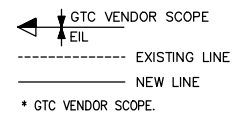
- FOR GENERAL NOTES AND SYMBOLS REFER DWGS B240-02-42-000 -1191/1192/1193.
- ALL INSTRUMENT TAG NOS. SHALL BE PROCEEDED BY UNIT NO. 910.
- ALL THE INDICATIONS/RECORDINGS OF INSTRUMENTS SHOWN IN THIS P&ID SHALL BE ON PLC. PANEL MOUNTED INSTRUMENTS WILL BE IN STATION COMMON PANEL.
- TO BE SUPPLIED BY GTC VENDOR AND SHALL BE DESIGNED FOR COMPR. CONFIGURATION (1+0) CONSIDERING THE TOTAL FUEL GAS REQUIREMENT. VENDOR TO PROVIDE FLOW MEASUREMENT FOR COMMON FUEL GAS LINE GOING TO FUEL GAS CONDITIONING SYSTEM. FUEL GAS FLOW INDICATION TO BE PROVIDED IN THE CONTROL ROOM.
- DPT-1106 TO BE SUPPLIED BY GTC VENDOR.
- MASTER CONTROL IS FUNCTIONALLY SHOWN & INDICATIVE ONLY. FINAL SCHEME SHALL BE IMPLEMENTED AS PER SPECIFICATION BY COMPRESSOR VENDOR.
- ESD BUTTON SHALL BE PROVIDED IN (SCADA) MCC, STATION COMMON PANEL.
- REFER P&ID B240-02-42-910-1112/1113/1114/1115 FOR TYPICAL DETAILS OF COMPRESSOR TRAIN.
- ALL TRANSMITTER SHALL BE SMART TYPE.
- ESD PUSH BUTTON SHALL BE PROVIDED OUTSIDE THE COMPRESSOR SHED AT ATLEAST TWO LOCATIONS.
- ALL PSV UPSTREAM PIPING SHALL BE FREE DRAINING TOWARDS EQUIPMENT AND DOWNSTREAM TOWARDS FLARE HEADER. PSV DISCHARGE SHALL JOIN THE FLARE HEADER AT AN ANGLE OF 45° IN THE DIRECTION OF FLOW.
- PROVISION OF BYPASS LINE WITH SPOOL PIECE FOR INSTALLATION OF FLOW METER DURING CALIBRATION.
- STRAIGHT LENGTH AS PER INSTRUMENTATION REQUIREMENT.
- FLOW COMPENSATION SHOULD BE DONE IN FLOW COMPUTER.
- ANTI SURGE CONTROL, PERFORMANCE CONTROL AND MASTER CONTROL FUNCTIONALLY SHOWN AND INDICATIVE ONLY. FINAL SCHEME SHALL BE IMPLEMENTED AS PER SPECIFICATION BY COMPRESSOR VENDOR.
- SIGNAL TO SCADA SHALL BE THROUGH SEPARATE SERIAL LINK FROM STATION PLC & COMPRESSOR TRAIN UCP.
- HOSE STATION CONSISTING OF PLANT AIR, SERVICE WATER, NITROGEN TO BE PROVIDED. HOSE TO BE FLANGED TYPE FOR NITROGEN. OTHER UTILITIES TO HAVE HOSE OF QUICK COUPLING TYPE.
- ALL INDICATIONS, RECORDING OF INSTRUMENTS, STATUS, CONTROLS & ALARMS INDICATED IN THE P&ID SHALL BE IN COMMON FACILITY CONTROL PLC/PANEL. THE COMMON FACILITY PLC AND PANEL IS IN GTC PACKAGE VENDOR'S SCOPE.
- FIRE CASE PSV ON GAS FILTER TO BE PROVIDED BY FILTER VENDOR.
- HYDROCARBON DETECTORS SHALL BE PROVIDED FOR ALARM AT SUITABLE STRATEGIC LOCATIONS TO MONITOR THE LEAKAGE OF FAILURE PRONE EQUIPMENT PARTS, ACCESSORIES, VALVES & PIPES DEPENDING UPON THE WIND DIRECTION AND GAS DENSITY.
- GAS DETECTORS ARE TO BE PROVIDED AT DOWN WIND DIRECTIONS NEAR FILTERS, FLOW METERS, COMPRESSOR, & FGC SKID. ALARM SIGNAL FROM GAS DETECTOR WILL BE TAKEN TO SMCS AND CONTROL ROOM.

INTERLOCK LOGIC:-

INTERLOCK No.	ACTUATED BY	ACTION UPON
STATION ESD (910-I-1)	ESD PUSH BUTTON ON SCADA/ STATION COMMON PANEL/FIELD	TRIP THE COMPR. TRANS 910-K-901 OPEN 910-AV-1107 910-AV-1108 910-AV-1109 910-AV-1110 AFTER ENSURING CLOSURE OF VALVES 910-AV-1111 910-AV-1113

ESD LOGIC SHOULD NOT RESET UNTILL AND UNLESS ALL DESIRED ACTIONS ARE ACHIEVED.

LEGEND:



A	20.02.19	ISSUED FOR COMMENTS	Varun	GS	JKS	SS
संख्या	तिथि	संशोधन	ड्रां	जांच	अनुमोदित	
No.	DATE	REVISIONS	BY	CHKD	APPD.	

ENGINEERS INDIA LIMITED
(A Govt. of India Undertaking)

GAIL (INDIA) LIMITED
गैल (इन्डिया) लिमिटेड

GT COMPRESSOR PROJECT, GANDHAR

पाइपिंग एण्ड इंस्ट्रुमेंटेशन डायग्राम
PIPING AND INSTRUMENTATION DIAGRAM
GANDHAR NEW INSTALLATION
GANDHAR COMPRESSOR STATION

अनुमाप	कार्य संख्या	विभाग	अनुभाग	इकाई	आरेख संख्या	संशो.
SCALE	JOB NO.	DEPT.	SECTN.	UNIT	DWG. No.	REV.
B240	02	42	910	1111	A	

EIL-0241-502-REV-0-A

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