



P&ID FOR MRS

FILTER-REGULATOR-PPD METER



NOTES:-

1. INLET & OUTLET MATCHING FLANGES OR BLIND, STUD, NUT & GASKETS SHALL BE IN BIDDER SCOPE.
2. VENTS SHALL BE LOCATED AT A SAFE HEIGHT (3MTRS ABOVE THE HIGHEST WORKING PLATFORM) WITH RAIN CAP, FLAME ARRESTER.
3. 3MM THK. COPPER JUMPER WILL BE PROVIDED AT EACH FLANGES CONNECTIONS.
4. DRAIN WILL RUN UP TO EDGE OF THE SKID.
5. FLOW MESUREMENT SHALL BE DONE WITH RPD METER, SOLAR PANEL. PROVISION SHALL BE KEPT TO TRANSMIT EXC PARAMETERS TO SCADA (GSM MODEM)
6. PSV OF FILTER SHALL BE SIZED FOR FIRE CASE.
7. THE LINE SIZE GIVEN IN THE P&ID IS MINIMUM. THE BIDDER IS REQUIRED TO CHECK THE SUITABILITY OF LINE SIZE FOR THE PROPOSED FLOW.
8. THE WHOLE SKID SHALL BE ENCLOSED IN A CABINET PROVIDED WITH LOCK & KEY AND AS PER SPECIFICATION.
9. REGULATOR SHALL BE SIZED TO DELIVER THE MAXIMUM FLOW AT MINIMUM PRESSURE CONDITION AND THE MINIMUM FLOW AT THE MAXIMUM PRESSURE CONDITION.
10. PSV & CRV SIZE SHALL BE FINALISED DURING DETAIL ENGINEERING.
11. SIZE OF PRESSURE SENSING VALVE FOR SSV/MCV/PCV SHALL BE 1/2" AND SHALL BE LOCK OPEN TYPE.
12. SPECTACLE BLIND SHALL BE AT MAIN LINE BALL VALVE. SPECTACLE BLIND SHALL BE PROVIDED BETWEEN GLOBE AND BALL VALVE OF VENT LINE.
13. FLOW METER SHALL BE RPD TYPE.
14. ALL VALVES UP TO 1/2" SIZE SHALL BE BUTT WELDED.

REQUIREMENT:-

- (1) QMIN. TO QMAX. 200 TO 1250 SCMH
- (2) INPUT WORKING PRESSURE: 17 TO 25 KG/CM2
- (3) OUTPUT WORKING PRESSURE: 2.5 TO 4 KG/CM2

LEGEND:-

NEW	
SPECTACLE BLIND	
BUTT-WELDED BALL VALVE	
BUTT-WELDED GLOBE VALVE	
FLANGED BALL VALVE	
FLANGED GLOBE VALVE	
PRESSURE GAUGE	
TEMPERATURE GAUGE	
PRESSURE TRANSMITTER	
TEMPERATURE TRANSMITTER	
DIFFERENTIAL PRESSURE GAUGE	
MONITOR CONTROL VALVE	
SLAM SHUT VALVE	
CREEP RELIEF VALVE	

NO.	DATE	BY	CHKD	APPD
1	15.11.16	SC	AD	SB
0	19.10.16	SC	AD	SB
REVISION				

GODAVARI GAS PVT. LTD.
ANDHRA PRADESH

LYONS ENGINEERING PVT. LTD.
NEW DELHI

PROJECT NO.	AREA CODE
PROJECT: BHIMADOLE PIPELINE NETWORK CONNECTIVITY	
TITLE: TYPICAL P&ID FOR MRS	
SIZE: A1	DRAWING NO.
SCALE: N.T.S.	GOPL-BH-IN-DWC-MRS-001
SHEET: 1 OF 1	REV. 1