

NOTES:

1. ALL INSTRUMENT TAG NOS. WILL BE PREVIEWED BY UNIT NO.-20.
2. THE LOW INSTRUMENT SHALL BE CORRESPONDING TO THE INSTRUMENT TAG NOS. AS PER LEGEND P&ID-2103.
3. BY PASS SHALL BE PROVIDED WITH PIPING AT 120° CLOCK POSITION.
4. LINE SHALL BE FREE DRAINING.
5. ALL INSTRUMENTS SHALL BE EXECUTED THROUGH RELAY BASED SYSTEM.
6. ALL SDO'S SHALL BE FULL BORE BALL VALVES.
7. FOR FE-2103 SHALL BE PIPED MOUNTED DUAL CHANNEL SIGNAL TOW
8. ALL SDO'S SHALL BE FULL BORE BALL VALVES.
9. ALL FLARE LINES SHALL BE SLOPING TOWARDS FLARE HEADER (WITHOUT POCKET)
10. ALL FLARE LINES SHALL BE SLOPING TOWARDS FLARE HEADER (WITHOUT POCKET)
11. AS PER LEGEND P&ID-2103, THE INSTRUMENT TAG NOS. SHALL BE SLOPED.
12. FOR SLOPING DETAILS REFER LEGEND P & ID TCE-5470A-300-P1-8689-1
13. ALL EQUIPMENT ELEVATIONS PROVIDED WITH RESPECT TO TOWN WITH CORRESPONDENCE TO FINISHED FLOOR LEVEL 7.900MM.

ENGINEERING REFERENCE DRAWING / DOCUMENTS

1. EL. PAD NO. 6775-20-51-02-1121-RE/C
2. PROCESS FLOW DIAGRAM TCE-5470A-300-PF-8602-R1

INTER LOCK DESCRIPTION

INTER LOCK NO.	ACTIVATED BY	ACTION
1 - 2105	PSL-2103	OPEN SOV - 2103
1 - 2106	PSH-2104	CLOSE SOV - 2103
1 - 2107	LSH-2103	CLOSE SOV - 2103
1 - 2108	LSL-2104	CLOSE SOV - 2104

TABLE-1

TYPE OF FLUID	LINE NO.	DELETED	LAST LINE NO.
PROCESS	2101-2199	2194/94/14/14/9/50	2102 X
FLARE	2101-2199	-	2117
OWS	2101-2199	-	2125 X
UTILITY	-	-	-

TABLE-2

EQUIPMENT TAG NO.	DESCRIPTION	WCS	OWS
020-Y-201	LP PRODUCTION SEPARATOR (3 PHASE)	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	44.2
020-Y-202	LIQUID SEPARATOR (2 PHASE)	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	1.07
020-Y-203	LP TEST SEPARATOR (3 PHASE)	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	1.14
020-Y-204	PRODUCED WATER COLLECTION KESSI	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	1.07
020-Y-205	FUEL GAS KID	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	0.27
020-F-201 A/B	BASKET FILTER	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	20 ME
020-F-202 A/B	BASKET FILTER	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	20 ME
020-F-203 A/B	FILTER SEPARATORS	SHELL : KCS INNER OWS (H&E) H&E ENH 800T-1	1 MICR

1. DELETED
2. DELETED

DO NOT SCALE

M/S OIL AND NATURAL GAS CORPORATE
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CHENNAI, INDIA.

ICE Consulting Engineers Limite
MANDAPETA-LOW PRESSURE GAS PROCESSING & COMPRESSION FACILIT
DNG. NO.: TCE-5470A-300-P1-8662/R3

PROJECT TITLE: MANDAPETA-LOW PRESSURE GAS PROCESSING & COMPRESSION FACILIT

DRAWING TITLE: PIPING & INSTRUMENTATION DIAGRAM

REV	DATE	BY	CHK	APPD	DATE
01	17/03/2020	VP	VP	VP	17/03/2020
02	17/03/2020	VP	VP	VP	17/03/2020
03	17/03/2020	VP	VP	VP	17/03/2020
04	17/03/2020	VP	VP	VP	17/03/2020
05	17/03/2020	VP	VP	VP	17/03/2020
06	17/03/2020	VP	VP	VP	17/03/2020
07	17/03/2020	VP	VP	VP	17/03/2020
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100	17/03/2020	VP	VP	VP	17/03/2020