



GENERAL NOTES:

- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-.
- FOR TYPICAL INSTRUMENT CONNECTION, SBOV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1108.001, .002, .003, .004, .005, .006 & .007.
- FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.
- DRAWING NUMBERS SHOWN IN P&ID CONTINUATION BOXES ARE ABBREVIATED SHOWING DRAWING SEQUENTIAL NUMBERS ONLY. THE FULL FORM OF THE DRAWING NUMBER IS 50489-530-020-PID-XXXX.SHT.NO.
- FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
- DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
- LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
- FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
- FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

- NOTES:
- LOCATIONS AND NO. OF VALVES TAKE-OFFS FOR INSTRUMENT ARE GOVERNED BY PIPING DETAIL DESIGN.
 - LOCATE ISOLATION VALVES FOR ALL BRANCHES AT MAIN HEADER.
 - HEADERS ARE SIZED FOR MAXIMUM INSTANTANEOUS FLOWS TO AVOID SPURIOUS TRIPS.
 - DELETED.
 - FOR FURTHER AIR DISTRIBUTION TO AIR CONSUMERS/SPARE BRANCH PROVISION REFER RESPECTIVE INSTRUMENT AIR DISTRIBUTION DIAGRAMS: 50489-530-080-LAD-1201 TO 1223.
 - REFER TABLE-1 FOR TRAP ASSEMBLY & LINE NUMBERS. UNIQUE TAG NUMBER FOR TRAPS WILL BE SP-T-0915.
 - THE MAIN ISOLATION VALVES AND THE INSTRUMENT TAKE-OFF VALVES FOR SHUTDOWN INSTRUMENTS ARE LOCKED IN THE OPEN POSITION.

AS-BUILT
KOC APPROVAL

NAME / KOC NO.:
DESIGNATION:
GROUP / TEAM:
SIGNATURE:
DATE:

AS-BUILT
LARSEN & TOUBRO LIMITED

NAME: VAIBHAV VERMA
DESIGNATION: AGM
SIGNATURE:
DATE: 08-Oct-2018
DEPT/ DIVISION: ENGINEERING

REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
Z1	ISSUED FOR AS-BUILT	HSB/ABY	AKG	SRA	RAK	08.10.18
Z0	ISSUED FOR AS-BUILT	HSB/ABY	AKG	SRA	RAK	09.08.18
01	ISSUED FOR CONSTRUCTION	HSB/ABY	AKG	SRA	RAK	14.09.16
0	ISSUED FOR CONSTRUCTION	HSB/ABY	AKG	SRA	RAK	05.08.16
D	ISSUED INCORPORATED CLIENT COMMENTS	PAK/ABY	AKG	SRA	RAK	25.04.16
C	ISSUED INCORPORATED CLIENT COMMENTS	JSI/ABY	AKG	SRA	RAK	28.10.15
DC	ISSUED INCORPORATED CLIENT COMMENTS	JSI/SSI	AKG	SRA	RAK	04.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	JSI/ASA	AKG	SRA	RAK	20.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	RAK	10.12.14

CONTRACTOR REVISION

KUWAIT OIL CO. K. S. C. **شركة نفط الكويت ش.م.ك.**

PROJECT TITLE: NEW GATHERING CENTRE GC-30 IN NORTH KUWAIT

CONTRACTOR DETAILS: **LARSEN & TOUBRO LIMITED FARIDABAD**

DOCUMENT TITLE: **PIPING & INSTRUMENTATION DIAGRAM INSTRUMENT AIR DISTRIBUTION**

PROJECT NO.	DRAWING NO.	REV.	KOC DRG. NO.	REV.
EF1902	50489-530-020-PID-1222.001	Z1		
	SHEET NO. 1 OF 2			
	COMPANY DRG. NO.			
	EF1902-530-DCO-PID-0222.001			
	SHEET NO.			