

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 030--.
- FOR TYPICAL INSTRUMENT CONNECTION, SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .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 CL, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINING & 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:

- DELETED.
- ZSO OF MOV-0142 OR ESDV-0143 NOT DETECTED, THE PUMPS (G-004A/B/C) STOPS RUNNING OR CANNOT BE STARTED.
- DELETED.
- ESDV-0143 & UPSTREAM NRV ARE A MINIMUM DISTANCE FROM GC-30 LOW SECURITY FENCE LINE AT FIG LAUNCHES S-901.
- PITs ARE LOCATED NEAR LOW SECURITY GC-30 FENCE.
- DELETED.
- ULTRASONIC FLOWMETER ARE AN INLINE TYPE WITH TRANSIT TIME DIFFERENTIAL METHOD. FLOWMETER AND WITH A MINIMUM OF 3 PATH SENSOR TYPE. IN ADDITION A TEMPERATURE COMPENSATION NEEDS TO BE PROVIDED WITH THIS FLOW MEASUREMENT.
- STRAIGHT LENGTH REQUIRED FOR ULTRASONIC FLOW METER ARE 50 UPSTREAM & 30 DOWNSTREAM.
- FWH-0142 & PALL-0143 STOPS THE RUNNING CRUDE BOOSTER AND EXPORT PUMP AND ALSO CLOSE THE B/L ESDV-0143.

AS-BUILT

KOC APPROVAL

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

AS-BUILT


LARSEN & TOUBRO LIMITED
NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 27-SEP-2018
DEPT/ DIVISION : ENGINEERING

Z1	RE-ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	27.09.18
Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	06.08.18
O1	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	11.11.16
O	ISSUED FOR CONSTRUCTION	BAK/VSA	AKG	SRA	RAK	22.03.16
D	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	23.12.15
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	15.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	30.05.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	13.02.15
A	ISSUED FOR APPROVAL	BAK/VSA	AKG	SRA	RAK	29.11.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE

CONTRACTOR REVISION

KUWAIT OIL CO.
K. S. C.

**شركة نفط الكويت**
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CONTRACTOR DETAILS:-	
 LARSEN & TOUBRO LIMITED FARIDABAD	
PROJECT TITLE:- NEW GATHERING CENTRE GC-30 IN NORTH KUWAIT	
DOCUMENT TITLE:- PIPING & INSTRUMENTATION DIAGRAM CRUDE EXPORT METER	
PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO. 50489-530-020-PID-1127	REV. KOC DRG. NO. Z1
SHEET NO. 1 OF 1	SHEET NO.
COMPANY DRG. NO. EF1902	REV. A4
SHEET NO.	