

- 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 PREFIXED BY 530-.
 - ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PREFIXED BY 030-.
 - FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV AND ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.
 - FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE AND GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS & CONTROL VALVES SEE DRAWING 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:
- VALVE IS ACCESSIBLE FROM GRADE OUTSIDE GC-30 FENCE LINE.
 - NOZZLE N2 IS PROVIDED WITH 300mm STAND PIPE AND VORTEX BREAKER.
 - LINE FOR DECANTING WATER FROM BOTTOM OF DIESEL TANK.
 - EQUALIZING LINE.
 - FLASHING RED LIGHT AND HORN ARE PROVIDED NEAR FILLING POINT AND TRUCK UNLOADING AREA, DIESEL STORAGE TANK AS WELL.
(A) COMMON ALARM (WITH TEST/ACCEPT/RESET) IN DCS.
(B) FLASHING RED LIGHT SHALL ACTIVATE ON LAH-6156.
(C) HORN SHALL ACTIVATE ON LAHH-6155.
 - DUPLEX TYPE STRAINER.
 - DELETED.
 - BIRD SCREEN IS USED TO PREVENT BLOCKAGE.
 - FOR PUMP DRAIN, SEE DRAWING 50489-530-020-PID-1108.004.
 - DELETED.
 - THE RETURN FLOW DIP PIPE IS BELOW LOW LIQUID LEVEL AND VELOCITY WITHIN THE RETURN LINE SHALL NOT EXCEED 3FT/S.
 - ONE PUMP OPERATING AND ONE PUMP ON STAND-BY.
 - LLL SIGNAL FROM ANY DAY TANK INITIATES DIESEL TRANSFER AND OPENS THE INLET VALVE ON THE RESPECTIVE DAY TANK. HILL CLOSES THE VALVE ON THE RECEIVING DAY TANK. THE PUMP STOPS ON DEMAND OR WHEN ALL THE DAY TANK INLET VALVES ARE IN THE CLOSED POSITION.
 - VENT TO SAFE LOCATION ARE AS PER KOC-G-002.
 - DIESEL INLET FEED NOZZLE TO HAVE A DIP PIPE DISCHARGING BELOW LOW LIQUID LEVEL & DIP PIPE IS PROVIDED WITH ANTI-SYPHON HOLE.
 - DUTY PUMP WILL AUTO START ON ANY DAYTANK LEVEL LOW & BOTH PUMPS AUTO STOP ON ALL DAY TANK LEVEL HIGH-HIGH.

AS-BUILT
KOC APPROVAL

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

AS-BUILT
LARSEN & TOUBRO LIMITED


NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE : _____
DATE : 24-Sep-2018
DEPT/ DIVISION : ENGINEERING

Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	24.09.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	07.10.16
0	ISSUED FOR CONSTRUCTION	HSB/VSA	AKG	SRA	RAK	29.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	26.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	BAK/SSI	AKG	SRA	RAK	02.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	20.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	RAK	11.12.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
				APPRD.		

CONTRACTOR REVISION

KUWAIT OIL CO. K. S. C.  **شركة النفط الكويت ش.م.ك.**
A Subsidiary of Kuwait Petroleum Corporation

CONTRACTOR DETAILS:-

 **LARSEN & TOUBRO LIMITED**
FARIDABAD

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

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
DIESEL STORAGE AND DISTRIBUTION

PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO.	REV. KOC DRG. NO.
50489-530-020-PID-1210	Z0
SHEET NO. 1 OF 1	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0210.001	
SHEET NO.	