



GENERAL NOTES:

- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.  
B. ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PREFIXED BY 530-.  
C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PREFIXED BY 030-.  
D. FOR TYPICAL INSTRUMENT CONNECTION SBOV, XV, MOV AND ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .006 & .007.  
E. 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.  
F. 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.  
G. FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1018.001.  
H. DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.  
I. PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.  
J. LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.  
K. FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.  
L. FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

1. REMOVABLE SPOOL TO MONITOR SCALE BUILD-UP.  
2. DELETED.  
3. FIRST-STAGE DESALTER BYPASS.  
4. WHEN FIRST-STAGE DESALTER IS BYPASSED, RECYCLE WATER IS ROUTED THROUGH EFFLUENT WATER/WASH WATER EXCHANGER.  
5.6. DELETED.  
7. THE SET POINT FIC-1265 ARE IN PERCENTAGE VALUE & PROVIDED BY HIC-1265.  
8. DELETED.  
9. FOR CORROSION MONITORING STATIONS (CMS):-  
(a) CMS ARE INSTALLED AS PER KOC-MP-035.  
(b) PROPER ACCESS PIT OR PLATFORM ARE PROVIDED FOR RETRIEVAL OF COUPEN/PROBE.  
(c) MATERIAL FOR CMS ARE PROCURED FROM KOC APPROVED VENDOR LIST.  
(d) CMS ARE LOCATED IN BOTTOM 6 O'CLOCK POSITION.  
(e) TAG NUMBERING OF CMS ARE AS PER APPENDIX-C OF KOC-MP-035.  
10. ALL A/G PIPING SUPPORTS ARE FIRE PROOFED IN DESALTER AREA.  
11. ALL THE VALVES (MOV'S, XV'S, ESDV'S, SBOV'S) ARE FIRE SAFE IN DESALTER AREA.  
12. STRAIGHT LENGTH REQUIREMENT FOR ORIFICE FLOW METER ARE 20D UPSTREAM & 5D DOWNSTREAM.  
13. OIL IN WATER.

AS-BUILT
KOC APPROVAL
NAME / KOC No:
DESIGNATION :
GROUP / TEAM :
SIGNATURE :
DATE :

LEGEND:

OW : OIL IN WATER

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME :
DESIGNATION : AGM
SIGNATURE :
DATE : 25-Aug-2018
DEPT/ DIVISION : ENGINEERING

REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	25.08.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	07.11.16
0	ISSUED FOR CONSTRUCTION	HSR/VSA	AKG	SRA	RAK	05.05.16
D	ISSUED INCORPORATED CLIENT COMMENTS	HSR/VSA	AKG	SRA	RAK	01.04.16
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	17.02.15
A	ISSUED FOR APPROVAL	BAK/VSA	AKG	SRA	RAK	05.12.14

CONTRACTOR REVISION

<b>KUWAIT OIL CO.</b> <b>K. S. C.</b>	<b>شركة نفط الكويت</b> <b>ش.م.ك.</b>
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CONTRACTOR DETAILS:-	<b>LARSEN &amp; TOUBRO LIMITED</b> <b>FARIDABAD</b>
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PROJECT TITLE:-	<b>NEW GATHERING CENTRE GC-30</b> <b>IN NORTH KUWAIT</b>
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DOCUMENT TITLE:-	<b>PIPING &amp; INSTRUMENTATION DIAGRAM</b> <b>EFFLUENT WATER/WASH WATER EXCHANGER (E-102) TRAIN A</b>
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PROJECT NO.	DRAWING NO.	REV.
50489-530-020-PID-1137.001	Z0	
EF1902	A4	