



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 PRECEDED BY 530-..
C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030-..
D. FOR TYPICAL INSTRUMENT CONNECTION, SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.
E. 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.
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 1023.
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. CABLE GLANDS FOR CONTRACTOR CONNECTION ARE PUMP VENDOR SCOPE OF SUPPLY.
2. REGARDING DUPLEX TYPE RTD, ONE RTD IS CONNECTED TO JUNCTION BOX, ANOTHER ONE IS NOT CONNECTED TO JUNCTION BOX, IN CASE OF CONNECTED ELEMENT IS BROKEN, ANOTHER ONE WILL BE CONNECTED TO THE RTD TERMINAL HEAD.
3.  VENDOR
 CONTRACTOR
4. VENDOR REFERENCE DOC. NO.
(a) 50489-530-020-07673-PID-V001.
(b) OPERATION CONTROL PHILOSOPHY OF PACKAGES (50489-530-020-07673-PHL-V001).
(c) ALARM & TRIP SCHEDULE (50489-530-020-07673-LST-V006).

AS-BUILT		AS-BUILT	
KOC APPROVAL		LARSEN & TOUBRO LIMITED	
NAME / KOC No:		NAME : VAIBHAV VERMA	
DESIGNATION :		DESIGNATION : AGM	
GROUP / TEAM :		SIGNATURE :	
SIGNATURE :		DATE : 20-Sep-2018	
DATE :		DEPT/ DIVISION : ENGINEERING	

ZO	ISSUED FOR AS-BUILT	HSH/PRS	AKG	SRA	RAK	20.09.18
O	ISSUED FOR CONSTRUCTION	HSH/PRS	AKG	SRA	RAK	26.05.16
D	ISSUED INCORPORATED CLIENT COMMENTS	BAK/PS	AKG	SRA	RAK	19.04.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	10.09.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	19.02.15
A	ISSUED FOR APPROVAL	BAK/VSA	AKG	SRA	RAK	05.12.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
				APPRD.		

CONTRACTOR REVISION

KUWAIT OIL CO. K. S. C.  **شركة نفط 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
VIBRATION MONITORING SYSTEM & TEMPERATURE MONITORING
SYSTEM FOR TREATED WATER DISPOSAL PUMP (530-G-005A)

PROJECT NO.		DRAWING NO.	
CONTRACTOR DRG. NO.		REV. KOC DRG. NO.	
50489-530-020-PID-1153.017		Z0	
SHEET NO. 17 OF 25		SHEET NO.	
COMPANY DRG. NO.		REV.	
EF1902-530-DCO-PID-0153.009		A1	
SHEET NO.			