

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. CABINET DRIP PAN DRAIN  
2. GATE VALVE ONLY FOR HYDROSTATIC TEST VENT PURPOSE  
3. SAMPLING ACCORDING TO API 8.2 / ISO-3171.  
4. VENDOR PID NO: 50489-530-020-00079-PID-V003 SHEET 2 OF 2.  
5. FOR CONTINUATION, SEE DRAWING 50489-530-020-PID-1277.001.  
6. VALVES UPSTREAM AND DOWNSTREAM OF SP-01 AND SP-02 FOR AUTO-CHANGEOVER FUNCTIONALLY. THEY WILL BE CLOSED IN CASE OF MAINTENANCE OF THE CELL SAMPLER  
7. ELECTRICAL CELL SAMPLER AISI 316 TYPE CSSSE-1/25  
8. SAMPLE CONTAINERS SR-20M WORKING PRESSURE UP TO 10 psig, CAPACITY 20 LITERS

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

|                         |               |
|-------------------------|---------------|
| AS-BUILT                |               |
| LARSEN & TOUBRO LIMITED |               |
| NAME :                  | VAIBHAV VERMA |
| DESIGNATION :           | AGM           |
| SIGNATURE :             |               |
| DATE :                  | 09-Aug-2018   |
| DEPT/ DIVISION :        | ENGINEERING   |

LEGENDS:

- SR — Sample Receiver  
WS — Weight System  
SP — Sampler


|      |                                       |         |         |            |     |          |
|------|---------------------------------------|---------|---------|------------|-----|----------|
| ZO   | ISSUED FOR AS-BUILT                   | BAK/VSA | AKG     | SRA        | RAK | 09.08.18 |
| O    | ISSUED FOR CONSTRUCTION               | BAK/VSA | AKG     | SRA        | RAK | 10.10.16 |
| C    | ISSUED "INCORPORATED CLIENT COMMENTS" | HSH/ABY | AKG     | SRA        | RAK | 07.09.16 |
| B    | ISSUED "INCORPORATED CLIENT COMMENTS" | HSH/ABY | AKG     | SRA        | RAK | 02.07.16 |
| A    | ISSUED FOR APPROVAL                   | HSH/ABY | AKG     | SRA        | RAK | 08.04.16 |
| REV. | DESCRIPTION                           | DRAWN   | CHECKED | HOD APPRD. | PEM | DATE     |

CONTRACTOR REVISION



**KUWAIT OIL CO.**  
**K. S. C.**

شركة نفط الكويت  
ش.م.ك.

|   |                            |      |              |
|---|----------------------------|------|--------------|
| CONTRACTOR DETAILS:-  |                            |      |              |
|  <b>LARSEN &amp; TOUBRO LIMITED</b><br>FARIDABAD |                            |      |              |
| PROJECT TITLE:-<br>NEW GATHERING CENTRE GC-30<br>IN NORTH KUWAIT  |                            |      |              |
| DOCUMENT TITLE:-<br>PIPING & INSTRUMENTATION DIAGRAM<br>AUTO SAMPLER SYSTEM FOR Z-041B  |                            |      |              |
| PROJECT NO.   | DRAWING NO.                |      |              |
| EF1902  | CONTRACTOR DRG. NO.        | REV. | KOC DRG. NO. |
|   | 50489-530-020-PID-1277.002 |      | ZO           |
|   | SHEET NO. 2 OF 2           |      | SHEET NO.    |
|   | COMPANY DRG. NO.           | REV. |              |
|   |                            | A4   |              |