



OGDCL PAKISTAN:  
OIL & GAS DEVELOPMENT  
COMPANY LIMITED

## NASHPA COMPRESSION PROJECT PHASE-II

**ISSUED FOR TENDER**

0	9-Mar-2018	ISSUED FOR TENDER	WAS	SJA	NAS	MHQ	MAS		
REV	DATE	DESCRIPTION	ORIG	CHKD	LE	QA	PM	LPE/TA	LA MFM MP

REVISIONS

APPROVAL

OWNER  
APPROVAL



**ENAR PETROTECH SERVICES (PVT.) LTD.**

7-B, KORANGI INDUSTRIAL AREA,  
KORANGI-KARACHI

TITLE :

**DOCUMENT TITLE:  
DATA SHEET OF GAS DETECTOR(OPEN PATH TYPE)**

DOCUMENT NO:

**0193                      DS                      6003                      0**

PROJECT NO.  
**14-0193**

CODE

DOC. TYPE

SEQ. NO.

REV



**ENAR PETROTECH SERVICES (PVT.) LTD.**

**OPEN PATH GAS DETECTOR**

DATASHEET NO.	0193-DS-6003
DATE	9/3/2018
REV.	0
REV. DESCRIPTION	ISSUED FOR TENDER
PREPARED BY	SJA
CHECKED BY	NAS
APPROVED BY	MAS

OWNER:	OIL AND GAS DEVELOPMENT COMPANY LIMITED (OGDCL)
PROJECT:	NASHPA COMPRESSION PROJECT PHASE-II

1	Quantity	(Note-7)
2	Tag Number	(Note-7)
3	Service	Gas Leakage Detection
4	<b>TRANSMITTER</b>	
5	Sensor Type	Open Path Gas Detection
6	Sensor Mounting	Directly on Transmitter/Receiver
7	Supply Voltage	24 VDC
8	Output Type	Analog 4-20 mA
9	Fault Level Thresholds	Fault and Beam Block Warning Signals from 0-4mA
10	Display	LEDs for Status Indication (Running, Fault, Alarm etc)
11	Calibrated Range	0 - 100% LEL Methane gas
12	Alarm Setpoints	20% and 50% LEL Methane Gas
13	Response Time	Less then 30 Sec.
14	Accuracy	+/- 3% LEL from 0 to 50% and +/- 5% LEL from 50 to 100%
15	Manufacturer / Model Number	(Note-6)
16	<b>HOUSING</b>	
17	Body Material	316 SS
18	Cable Entry	Metric M20 x 1.5 (Note 1)
19	Hazardous Area Classification	EEx'd', Class-I, Div. 2, Group C&or Zone-2 Gas Gr II-B, T3
20	Weather Protection	IP66
21	Mounting	2" Pipe Support (Note 2)
22	<b>ACCESSORIES</b>	
23	Calibration Gas	Yes - 20% LEL and 50% LEL gas (Note 3)
24	Calibration Equipment / Quantity	Yes / 01 (Note 3)
25	Tag Plate	Yes - Stainless Steel (Note 4)
26	<b>NOTES:</b>	
	1) In case of multiple entries, all spare entries shall be supplied plugged with EEx'd' certified metal plugs.	
	2) Vendor shall provide complete installation material (such as Mounting Bracket, U-Bolts with Locking Nuts, etc) for mounting on 2" pipe support.	
	3) All calibration and testing equipment including alignment kit shall be detector manufacturer standard items.	
	4) SS tag shall be fixed to the detector using SS wire. Tag plate shall include tag number, model number and sensor data.	
	5) Vendor shall provide complete documentation for installation and maintenance as hard copies as well as Soft Copies.	
	6) Detectors shall be supplied as per approved VENDOR LIST	
	7) See F&G List, Doc No. 0193-LT-6001 for Tag Numbers. Detectors for only compression area(field) has been considered, detectors for Compressor Package Skid shall be considered by EPCC Contractor/OEM during detail engineering stage after the finalization of Compressor's equipment dimensions & sizes.	
	Quantities of Detectors shall be finalized by EPCC Contractor after Mapping Study during detail engineering stage.	
	*VTA: Vendor To Advise	
	N/A: Not Applicable.	