




ISSUE FOR TENDER

0	9-Mar-18	ISSUED FOR REVIEW	SJA	NAS	SJA	MHQ	MAH			
REV	DATE	DESCRIPTION	ORIG	CHKD	LE	QA	PM	LOCAL REPR.	PROJ. MAN	
			<p align="center">DOCUMENT TITLE: FIRE & GAS DETECTORS LIST</p>							
ENAR Petrotech Services (Pvt.) Limited , 7-B , Sector 7-A , Korangi Industrial Area , Karachi Pakistan				193	LT	6002	0			
CONTRACT NO. 14-0193				CODE	TYPE	SEQ NO.	REV			
			PAGE 1 OF 3							

 ENAR PETROTECH SERVICES (PVT.) LTD.		FIRE & GAS DETECTORS LIST		Document No.	0193-LT-6002
		NASHPA COMPRESSION PROJECT(PHASE-II)		Date	9/3/2018
				Revision	0
				Rev Desc.	ISSUED FOR TENDER
				Prepared By	SJA
		OGDCL PAKISTAN		Checked By	NAS
				Approved By	MAS
S. No.	Tag No.	Service/Description	Location (Field/CR)	I/O TYPE	Remarks
COMPRESSOR (K-2001)					
1	FD-6600	UV/IR TYPE FLAME DETECTOR	Field	DI	
2	FD-6601	UV/IR TYPE FLAME DETECTOR	Field	DI	
3	FD-6602	UV/IR TYPE FLAME DETECTOR	Field	DI	
4	GDT/GDR-6600	OPEN PATH TYPE GAS DETECTORS	Field	AI	
5	GDT/GDR-6601	OPEN PATH TYPE GAS DETECTORS	Field	AI	
6	GDP-6600	FIXED POINT TYPE GAS DETECTORS	Field	AI	
COMPRESSOR (K-2002)					
1	FD-6603	UV/IR TYPE FLAME DETECTOR	Field	DI	
2	FD-6604	UV/IR TYPE FLAME DETECTOR	Field	DI	
3	FD-6605	UV/IR TYPE FLAME DETECTOR	Field	DI	
4	GDT/GDR-6602	OPEN PATH TYPE GAS DETECTORS	Field	AI	
5	GDT/GDR-6603	OPEN PATH TYPE GAS DETECTORS	Field	AI	
6	GDP-6601	FIXED POINT TYPE GAS DETECTORS	Field	AI	
7	MAC-6600	MANUAL CALL POINT	Field	DI	
8	SND/BCN-6600	SOUNDER/BEACON	Field	DI	
COMPRESSOR (K-2003)					
1	FD-6606	UV/IR TYPE FLAME DETECTOR	Field	DI	
2	FD-6607	UV/IR TYPE FLAME DETECTOR	Field	DI	
3	FD-6608	UV/IR TYPE FLAME DETECTOR	Field	DI	
4	GDT/GDR-6604	OPEN PATH TYPE GAS DETECTORS	Field	AI	
5	GDT/GDR-6605	OPEN PATH TYPE GAS DETECTORS	Field	AI	
6	GDP-6602	FIXED POINT TYPE GAS DETECTORS	Field	AI	

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S. No.	Tag No.	Service/Description	Location (Field/CR)		Remarks
				I/O TYPE	
7	MAC-6601	MANUAL CALL POINT	Field	DI	
8	SND/BCN-6601	SOUNDER/BEACON	Field	DI	
COMPRESSOR (K-2004)					
1	FD-6609	UV/IR TYPE FLAME DETECTOR	Field	DI	
2	FD-6610	UV/IR TYPE FLAME DETECTOR	Field	DI	
3	FD-6611	UV/IR TYPE FLAME DETECTOR	Field	DI	
4	GDT/GDR-6606	OPEN PATH TYPE GAS DETECTORS	Field	AI	
5	GDT/GDR-6607	OPEN PATH TYPE GAS DETECTORS	Field	AI	
6	GDP-6603	FIXED POINT TYPE GAS DETECTORS	Field	AI	
7	GDP-6602	FIXED POINT TYPE GAS DETECTORS	Field	AI	
8	MAC-6602	MANUAL CALL POINT	Field	DI	
9	SND/BCN-6602	SOUNDER/BEACON	Field	DI	
NOTES: 1- The F&G List developed is based on preliminary information & shall be developed in detail by EPCC CONTRACTOR during detail engineering stage. 2- Fire & gas detectors for only compression area is shown in this layout and no f&g location inside the compressor package/skids are shown. EPCCContractor shall carry out a detailed f&g mapping during detail engineering for installation of f&g detectors inside the compressor package skids. 3- Fore Fire & Gas detectors voting philosophy of 1ooN(1 out of N) shall be followed for alarm generation and Voting philosophy of 2ooN(2 out of N) for both Fire and Gas detectors shall be followed to cause shutdown. Refer to the NGP-010-INS-15.01-0004-00-0-F&G System Cause and Effect Diagrams.					