



NET4GAS, s.r.o

**COMPRESSOR STATION JIRKOV
73 BAR
List of Attachments to EMCS
Specification**

29.11.2017

**Annex 1
Attachment 1.1**

ILF CONSULTING ENGINEERS

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REVISION HISTORY

004	29.11.17	APPROVED	Fanaca	Foltin	Schorling
003	28.11.17	APPROVED	Fanaca	Foltin	Schorling
002	01.08.17	APPROVED	Schorling	Foltin	Schorling
001	20.07.17	APPROVED	Fanaca	Foltin	Schorling
000	13.07.17	APPROVED	Fanaca	Foltin	Schorling
B01	19.05.17	Issue for Review	Fanaca	Foltin	Schorling
Rev.	Date	Issue, Purpose	Prepared	Checked	Approved

Annex	Attachment	Document Title	Document No.	Revision
1		Electric Motor Compressor Unit Specification	C4G-JI73-ILF-KS007-STR-SPC-800	002
	1.1	List of Attachments to the EMCS Specification	C4G-JI73-ILF-KS007-GEN-SEZ-841	004
	1.2	List of Relevant Regulations, Standards and Specifications	C4G-JI73-ILF-KS007-GEN-SEZ-840	001
	1.3	Supplier Document Requirements List for EMCS	C4G-JI73-ILF-KS007-NAK-SEZ-861	002
	1.4	Document Handling Procedure Document Numbering Procedure ILF-CSJ TemplateExcel-EN-B ILF-CSJ TemplateGeneralDocument-EN-C	C4G-JI73-ILF-GENER-PMA-MAN-901 C4G-JI73-ILF-GENER-PMA-MAN-900	000 000
	1.5 ^{2) 3)}	API 617 Natural Gas Compressor Data Sheet	C4G-JI73-ILF-KS007-STR-DAT-820	000
	1.6	Composition of Process Gas	C4G-JI73-ILF-GENER-GEN-DAT-820	000
	1.7 ^{2) 3)}	Electric Load List-Requirements from the EMCS Supplier	C4G-JI73-ILF-KS007-ELE-TZP-903	000
	1.8	Key Single Line Diagram	C4G-JI73-ILF-KS007-ELE-DIA-100	000
	1.9 ^{2) 3)}	Performance Guarantees for EMCS	C4G-JI73-ILF-KS007-PMA-MAN-906	001
	1.10	Mechanical Interfaces for EMCS - Schematics	C4G-JI73-ILF-KS007-STR-DIA-130	003
	1.11	CIE Interfaces for EMCS - Schematics	C4G-JI73-ILF-KS007-GEN-DIA-100	001
	1.12.1	Station - Main Piping Layout - Vrskman	C4G-JI73-ILF-KS07A-STR-SIT-300	000
	1.12.2	Station - Main Piping Layout - Otvice	C4G-JI73-ILF-KS07B-STR-SIT-300	001
	1.13	Geographical Climatic and Environmental Conditions	C4G-JI73-ILF-KS007-GEN-MAN-901	001
	1.14	Process Flow Diagram and Stream Table	C4G-JI73-ILF-KS007-STR-DIA-100	003
	1.15	VSD Cooling System - Schematics	C4G-JI73-ILF-KS007-STR-DIA-131	000
	1.16	Scope of Supply and Interface Matrix for EMCS	C4G-JI73-ILF-GENER-STR-SEZ-865	002
	1.17 ^{2) 3)}	License Handling	C4G-JI73-ILF-KS007-GEN-TZP-009	000
	1.18	Tagging and Numbering Philosophy	C4G-JI73-ILF-GENER-PMA-MAN-902	001
	1.19	Typical Instrumentation Hook-ups	C4G-JI73-ILF-GENER-MAR-DIA-102	001
	1.20	Electrical Building Characteristic Layout EMCS Building - Characteristic Layout	C4G-JI73-ILF-KS007-STA-VYK-401 C4G-JI73-ILF-KS007-STA-VYK-402	000 000
	1.21	Control System Architecture - Overall Block Diagram	C4G-JI73-ILF-KS007-MAR-DIA-100	001
	1.22	1.22.1 ²⁾ Utility Consumption List 1.22.2 ²⁾ VFD technical data 1.22.3 ²⁾ Residual heat load list 1.22.4 ^{2) 3)} List of Comments, Exceptions and Deviations 1.22.5 DGS data sheet (not applicable) 1.22.6 ²⁾ Data-sheets for anti-surge and hot bypass valves 1.22.7 ²⁾ Compressor performance maps 1.22.8 ²⁾ Inspection and Testing Plan 1.22.9 ²⁾ UCS control architecture 1.22.10 ²⁾ SUPPLIER maintenance schedule 1.22.11 ²⁾ Equipment maintenance drawings 1.22.12 ²⁾ Communications Block Diagram 1.22.13 ²⁾ Piping and Instrumentation Diagrams (P&IDs) for EMCS 1.22.14 Dry Gas Seal general arrangement drawings (applicable only for the Conventional Solution) 1.22.15 ²⁾ Manufacturing, factory testing, delivery and installation plan 1.22.16 ²⁾ Preliminary basic frame plan over the EMCS	N/A	
	1.23	Requirements from Public Distribution Company for VSD Connection	C4G-JI73-ILF-KS007-ELE-TZP-902	000
	1.24.1	Station - Plot Plan - Vrskman	C4G-JI73-ILF-KS07A-STA-SIT-300	000
	1.24.2	Station - Plot Plan - Otvice	C4G-JI73-ILF-KS07B-STA-SIT-300	002
	1.25	Fibre Optic Cable - Specification	C4G-JI73-ILF-GENER-TEL-SPC-801	000
	1.26	N4G HSE Plan	C4G-JI73-ILF-KS007-BOZ-MAN-903	000
	1.27	List of Comments, Exceptions and Deviations from Owner	C4G-JI73-ILF-KS007-GEN-SEZ-842	002

Notes: 1) All attachments shall considered for the preparation of the Offer as specified in Annex 1 (C4G-JI73-ILF-KS007-STR-SPC-800)
2) Bidder technical documentation to be found in Annex 9 of the Contract
3) The native files shall be provided and included in the Offer