Sign	Issue	Date	Description	Doc. No.:
	1	07.07.2026	LIST OF EQUIPMENTS FOR AMS (CEMS + AES)	24LT7P-00-IN-052

Item	REV.	TAG NUMBER	DESCRIPTION	P&ID	Data Dimensions		Qnt.	NOTE
1	0	TKxxHNA10 CQ001QB01	Sample probe	24LT7P-01-EO-004	DN65 / PN6		2 sets	2 Connections for 2 tubes
2	0	TKxxHNA10 CQ001BR01	Sample Heated Hose	24LT7P-01-EO-004	**up to 20 m**		2 sets	2 tubes 6x1mm for Option A
3	0	TKxxCFF10	CEMS Analyzer Cabinet (Rittal or Equal)	24LT7P-01-EO-004	2000x800x800-100mm		2 pcs	Glass door + plinth 100mm
					CAL MIN	**CAL MAX**	**UNIT**	
4	0	TKxxHNA10 CQ001 -B01	CEMS, Analyzer od Flue Gases Sample conditioning and all accessories	24LT7P-01-EO-004	0	10	%	O2
	0	TKxxHNA10 CQ002 -B01			0	200	ppm	CO
	0	TKxxHNA10 CQ003 -B01			0	200	ppm	NOx
	0	TKxxHNA10 CQ005 -B01			0	30	ppm	SO2
5	0		CEMS Power Supply Distribution		By Vendor		2 sets	Internal Cabinet Distribution
6	0	TKxxHNA10 CQ901	Evaluation station - PLC + I/O Modules		By Vendor		1 set	Vendor List
7	0	TKxxHNA10 CQ902	HW station with SW data logger		By Vendor		1 set	see GS
8	0		Calibration material and bottles		By Vendor		2 sets	QAL1+FAT Time
9	0	TKxxHNA10 CQ004	Dust concentration Measurement System		0	12,5	mg/Nm3	Dust (No soot)
			InSitu Sensor Enquipment + Power/Cal.Control Unit		DN100 / PN16		Vendor	For Both Boilers
			Evaluation + Communication Unit					
OPTION A							*The Option shall be confirmed before P.O.*	
10	0	TKxxHNA10 CQ006 QB01	Sample probe - Heated	24LT7P-01-EO-004	DN65 / PN6		2 sets	Item do not offer if Applied 1.
11	0	TKxxHNA10 CQ006 BR01	Sample Heated Hose - Single Tube	24LT7P-01-EO-004	up to 20m		2 sets	Item do not offer if Applied 2.
12	0	TKxxHNA10 CQ006 BR02	Sample Heated Hose - Extension Line	24LT7P-01-EO-004	up to 3m		2 sets	Interconnection from CQ006 to CEMS
13	0	TKxxCFF11	NH3 Analyzer Cabinet (Rittal or Equal)	24LT7P-01-EO-004	2000x800x800 - 100mm		2 pcs	Glass door + plinth 100mm - HOLD
					CAL MIN	**CAL MAX**	**UNIT**	
14	0	TKxxHNA10 CQ006 -B01	NH3 + H2O Analyzer	24LT7P-01-EO-004	0	15	ppm	NH3
			Sample conditioning and accessories		0	10	Vol%	H2O
15	0		NH3 Power Supply Distribution		By Vendor		2 sets	Internal Cabinet Distribution
OPTION B							*The Option shall be confirmed before P.O.*	
16	0	TKxxHBK30 CQ003 QB01	Sample probe - Heated	24LT7P-01-EO-004	DN100 / PN10		2 sets	"HBK30CQ40x"
17	0	TKxxHBK30 CQ003 BR01	Sample Heated Hose - Single Tube	24LT7P-01-EO-004	up to 15m		2 sets	
					CAL MIN	**CAL MAX**	**UNIT**	
18	0	TKxxHBK30CQ003	NOx Analyzer + Convertor	24LT7P-01-EO-004	0	200	ppm	NOx measurement before SCR Unit
19	0	TKxxUHA27	NOx Analyzer Cabinet (Rittal or Equal)	24LT7P-01-EO-004	2000x800x800 - 200mm		2 pcs	Glass door + plinth 200mm - IP66 as min.
			with AC Unit - as located in Boiler House					+5° / +60°C
OPTION C							*The Option shall be confirmed before P.O.*	
		Provide complete QAL 2 measurement of all components indicated.						Service jobs for both boilers.
		Provide final protocol and required documentation for Local Authorities.						
Legend:								
	TKxx	Boilers TK19 or TK20						

Revision
C Cancel
Hold