

ATTACHMENT MINUTES OF PRE-BID MEETING AND ADDENDUM PROCUREMENT HEAVY MAINTENANCE KIT FOR EMU 205 & 203 SERIES

Number : 011/LL/SAR/KCI/I/2019, date Jan, 04th 2019

1. Bidding Document : 011/LL/SAR/KCI/ RKS/XII/2018, date Dec 21th 2018, Section VI, Schedule of Supply, A. List of goods and all related services

TERMIN 1					TERMIN 2				
NO	PARTS FOR HEAVY MAINTENANCE JR 205	Unit Price	Total Price	NO	PARTS FOR HEAVY MAINTENANCE JR 205	Unit Price	Total Price		
1	J Relay valve Maintenance KIT	38	Kit	1	Shock absorber (RD16) Tight-lock Coupler	2	Pcs		
2	E8.5764 step relay valve Maintenance KIT	18	Kit	2	Return spring for Tight-lock Coupler (Front side of Tc)	5	Pcs		
3	Terminal block assembly for E8.5764 step relay valve	34	Pcs	3	Support of Packing rubber holder (Large) for Tight-lock Coupler (Front side of Tc)	8	Pcs		
4	F variable load valve Maintenance KIT	7	Kit	4	Lock hanger for Tight-lock Coupler (Front side of Tc)	5	Pcs		
5	Electro-pneumatic change valve(EPL) Maintenance KIT 10 ITEM	38	Kit	5	Packing rubber holder (Large) for Tight-lock Coupler (Front side of Tc)	8	Pcs		
6	Supply valve shim Electro-pneumatic change valve(EPL)	48	Pcs	6	Spring for packing rubber holder Tight-lock Coupler (Rear side of Tc, T, T', M, M')	21	Pcs		
7	B7 Pressure regulating valve Maintenance KIT	54	Kit	7	Bushing with flange Tight-lock Coupler (Rear side of Tc, T, T', M, M')	50	Pcs		
8	Valve seat for 3/8D Double check valve	48	Pcs	8	Packing (large) for EC packing rubber holder Tight-lock Coupler (Rear side of Tc, T, T', M, M')	21	Pcs		
9	Guide valve for 3/8D Double check valve	48	Pcs	9	Packing rubber (Large) Tight-lock Coupler (Rear side of Tc, T, T', M, M')	21	Pcs		
10	Shim for 3/8D Double check valve	48	Pcs	10	Shock absorber (RD16) Tight-lock Coupler (Rear side of Tc, T, T', M, M')	21	Pcs		
11	3/8 cut-off cock	38	Pcs	11	Split cotter Tight-lock Coupler (Rear side of Tc, T, T', M, M')	42	Pcs		

12	VD1A variable load valve Maintenance KIT	17	Kit			12	Return spring for Tight-lock Coupler (Rear side of Tc, T, T', M, M')	77	Pcs		
13	VD3A variable load valve Maintenance KIT	11	Kit			13	Lock hanger for Tight-lock Coupler (Rear side of Tc, T, T', M, M')	77	Pcs		
14	Tight-lock Coupler (Front side of Tc) Maintenance KIT 5 ITEM	5	Kit			14	Coupler lock for Tight-lock Coupler (Rear side of Tc, T, T', M, M')	69	Pcs		
15	Semi-Permanent Coupler Maintenance KIT 2 ITEM	37	Kit			15	Shock absorber (RD16)	13	pcs		
16	Air compressor C2000 Maintenance KIT 27 ITEM	7	Kit			16	Differential pressure valve DP5 Maintenance KIT	12	Kit		
17	Piston pin (low pressure) for Air compressor C2000	11	Pcs			17	Snap ring dp5 for Differential pressure valve DP5	24	Pcs		
18	Connecting rod assembly for Air compressor C2000	16	Pcs			18	Leveling valve LV4 Maintenance KIT 17 ITEM	64	Kit		
19	Piston (low pressure) (four rings) for Air compressor C2000	11	Pcs			19	Motor Generator Maintenance KIT	7	Kit		
20	Piston (high pressure) (four rings) for Air compressor C2000	6	Pcs			20	Traction Motor Maintenance KIT 10 ITEM	56	Kit		
21	Plate valve (outer) for Air compressor C2000	57	Pcs			21	Special washer for flexible plate forTraction Motor	768	Pcs		
22	Plate valve (inner) for Air compressor C2000	57	Pcs			22	Packing for air duct for Traction Motor	192	Pcs		
23	Plate valve spring (outer) for Air compressor C2000	57	Pcs			23	Key for torsion axis forTraction Motor	152	Pcs		
24	Plate valve spring (inner) for Air compressor C2000	25	Pcs			24	Check nut forTraction Motor	192	Pcs		
25	Buffer spring for Air compressor C2000	57	Pcs			25	Washer M10 Traction Motor No 1 forTraction Motor	768	Pcs		
26	Stopper plate for Air compressor C2000	57	Pcs			26	Washer M10 Traction Motor No 2 forTraction Motor	768	Pcs		

27	Crown nut for Air compressor C2000	36	Pcs			27	Washer M10 chromium-plated forTraction Motor	960	Pcs		
28	Special flat head bolt for Air compressor C2000	36	Pcs			28	Spring washer M10 chromium-plated forTraction Motor	768	Pcs		
29	Rubber cushion assembly for Air compressor C2000	76	Pcs			29	Reamer bolt 20φ Traction Motor forTraction Motor	768	Pcs		
30	Shim Air compressor C2000 No 1 for Air compressor C2000	15	Pcs			30	Key for coupling forTraction Motor	152	Pcs		
31	Shim Air compressor C2000 No 2 for Air compressor C2000	15	Pcs			31	Spring washer M12 Traction Motor forTraction Motor	384	Pcs		
32	Spring Air compressor C2000 for Air compressor C2000	6	Pcs			32	Bolt with hexagon ditch M10 forTraction Motor	384	Pcs		
33	Hydraulic valve for Air compressor C2000	6	Pcs			33	Bolt M10 Traction Motor No 2 forTraction Motor	768	Pcs		
34	Bearing NU for Air compressor C2000	19	Pcs			34	Cushion rubber(M) forTraction Motor	192	Pcs		
35	Bearing NH (motor side) for Air compressor C2000	19	Pcs			35	Bolt M8 forTraction Motor	2304	Pcs		
36	T-bolt Air compressor C2000 No 2 for Air compressor C2000	48	Pcs			36	Reamer bolt 16φ forTraction Motor	384	Pcs		
37	Outer fan Air compressor C2000 for Air compressor C2000	118	Pcs			37	Shaft joint forTraction Motor	29	Pcs		
38	Wave washer for Air compressor C2000	19	Pcs			38	Torsion shaft forTraction Motor	29	Pcs		
39	Packing for terminal box for Air compressor C2000	14	Pcs			39	Plate coupling forTraction Motor	384	Pcs		
40	Metal bearing (upper) for Air compressor C2000	19	Pcs			40	Trailing bogie (except front bogie of Tc) Maintenance KIT 18 Item	16	Kit		
41	Metal bearing (lower) for Air compressor C2000	12	Pcs			41	Bellows Bogie Common Parts	144	Pcs		

42	Low Pressure Cylinder for Air compressor C2000	35	Pcs			42	Net canvas Bogie Common Parts	144	Pcs		
43	High Pressure Cylinder for Air compressor C2000	46	Pcs			43	Rubber- sliding plate Bogie Common Parts	144	Pcs		
44	Driving Gear Oil Pump for Air compressor C2000	79	Pcs			44	Rubber- under plate Bogie Common Parts	144	Pcs		
45	Driven Gear Oil Pump for Air compressor C2000	11	Pcs			45	Trailing bogie for 6 doors car (TR246E) Maintenance KIT	8	Kit		
46	Dehumidifier D20A Maintenance KIT	4	Pcs			46	Wheel Set for Motor Car Maintenance KIT 18 ITEM	56	Kit		
47	Diode Eksitasi for Motor Generator	23	Kit			47	Pinion assembly for Wheel Set Motor Car	16	Pcs		
48	Motor bogie Maintenance KIT 24 ITEM	20	Pcs			48	S contactor RL735 No 1	7	Pcs		
49	Urethane bushing (brake shoe hanger holder) for Motor bogie	1216	Kit			49	S contactor RL735 No 2	7	Pcs		
50	Urethane bushing (brake shoe hanger) 1 for Motor bogie	1216	Pcs			50	S relay RL782	36	Pcs		
51	Urethane bushing (brake shoe hanger) 2 for Motor bogie	1216	Pcs			51	Air conditioner AU722 for 6 doors car Maintenance KIT	4	Kit		
52	Urethane bushing (brake push rod) for Motor bogie	608	Pcs			52	Door engine TK112 Maintenance KIT	48	Kit		
53	Urethane bushing (connecting beam of brake push rod) for Motor bogie	304	Pcs			53	Gear box cover for Door engine TK112	48	Pcs		
54	Steel bushing (brake lever) for Motor bogie	304	Pcs			54	DP-45RS Piston rod CP for Door engine TK112	48	Pcs		
55	Urethane bushing (brake lever) 1 for Motor bogie	304	Pcs			55	Rack (for TK4K) for Door engine TK4	226	Pcs		
56	Urethane bushing (brake lever) 2 for Motor bogie	304	Pcs			56	Rack (for TK4L) for Door engine TK4	18	Pcs		

57	Urethane bushing (brake lever) 3 for Motor bogie	304	Pcs			57	Valve body (M) No 1 for Door engine TK4	281	Pcs		
58	Bushing (brake shoe head) for Motor bogie	608	Pcs			58	Valve body (M) No 2 for Door engine TK4	281	Pcs		
59	Urethane bushing (lateral damper) for Motor bogie	152	Pcs			59	Ball valve for Door engine TK4	384	Pcs		
60	Urethane bushing (lateral damper) for Trailing bogie (front bogie of Tc)	12	Pcs			60	Door roller Side-sliding door Maintenance	688	Pcs		
61	Urethane bushing (brake lever holder) for Trailing bogie (front bogie of Tc)	48	Pcs			61	Pantograph PS33E Maintenance KIT	4	Kit		
62	Urethane bushing (brake lever) 1 for Trailing bogie (front bogie of Tc)	48	Pcs			62	Electric Coupler Maintenance KIT O ring for KE5	150	Pcs		
63	Urethane bushing (brake lever) 2 for Trailing bogie (front bogie of Tc)	48	Pcs			63	Electric Coupler Maintenance KIT O ring for KE6	150	Pcs		
64	Urethane bushing (brake lining holder) for Trailing bogie (front bogie of Tc)	24	Pcs			64	Electric Coupler Maintenance KIT O ring for KE96	150	Pcs		
65	Urethane bushing (brake shoe hanger holder) for Trailing bogie (front bogie of Tc)	96	Pcs			65	CABLE FOR BREAKER L1 / HB	12	Pcs		
66	Urethane bushing (brake shoe hanger) 1 for Trailing bogie (front bogie of Tc)	96	Pcs			66	CABLE FOR BREAKER L2	60	Pcs		
67	Urethane bushing (brake shoe hanger) 2 for Trailing bogie (front bogie of Tc)	96	Pcs			67	Motor Traction wind Tunnel Assemble B	9	Pcs		
68	Urethane bushing (SJ cylinder holder) for Trailing bogie (front bogie of Tc)	96	Pcs			68	VM - 28 MAGNET VALVE KIT	2	Pcs		
69	Urethane bushing (brake shoe head) for Trailing bogie (front bogie of Tc)	48	Pcs			69	RL 782 E 100VDC for Contactor Maintenance	16	Pcs		
70	Urethane bushing (lateral damper) for Trailing bogie (except front bogie of Tc)	48	Pcs			70	Ring Gasket (27×19) VD1A variable load valve	74	Pcs		
71	Urethane bushing (brake lever holder) for Trailing bogie (except front bogie of Tc)	96	Pcs			71	Ring Gasket 15X10 VD1A variable load valve	234	Pcs		

72	Urethane bushing (brake lever) 1 for Trailing bogie (except front bogie of Tc)	96	Pcs			72	Filter VD1A variable load valve	74	Pcs		
73	Urethane bushing (brake lever) 2 for Trailing bogie (except front bogie of Tc)	96	Pcs			73	Lock Nut M12 (Nylon Nut?) VD1A variable load valve	24	Pcs		
74	Urethane bushing (brake lining holder) for Trailing bogie (except front bogie of Tc)	80	Pcs			74	Ring Gasket (27×19) VD3A variable load valve	82	Pcs		
75	Urethane bushing (brake shoe head) for Trailing bogie (except front bogie of Tc)	96	Pcs			75	Ring Gasket 15X10 VD3A variable load valve	246	Pcs		
76	O-Ring P50A for air spring bogie (φ50) Bogie Common Parts Maintenance	276	Pcs			76	Filter VD3A variable load valve	36	Pcs		
77	O-Ring P60 for air spring bogie (φ60) Bogie Common Parts Maintenance	276	Pcs			77	Lock Nut M12 VD3A variable load valve	36	Pcs		
78	O-Ring G50 for air spring bogie (φ50) Bogie Common Parts Maintenance	552	Pcs			78	Piston for Leveling valve LV4	35	Pcs		
79	Liner 3mm for air spring bogie Bogie Common Parts Maintenance	69	Pcs			79	Damper cap for Leveling valve LV4	35	Pcs		
80	Liner 6mm for air spring bogie Bogie Common Parts Maintenance	69	Pcs			SUB TOTAL A					
81	Liner 9mm for air spring bogie Bogie Common Parts Maintenance	69	Pcs								
82	O-Ring for differential pressure valve bogie (φ22) Bogie Common Parts	150	Pcs								
83	Spring washer M10 Bogie Common Parts	230	Pcs								
84	Split pin for lateral damper Bogie Common Parts	230	Pcs								
85	Bolt M20×35 for hanger Bogie Common Parts	1152	Pcs								
86	Pin tr241b no 5 for Trailing bogie for 6 doors car (TR241B)	16	Pcs								

87	Pin tr241b no 6 for Trailing bogie for 6 doors car (TR241B)	16	Pcs		
88	Pin tr241b no 7 for Trailing bogie for 6 doors car (TR241B)	16	Pcs		
89	Rubber cushion 1 for Trailing bogie 6 doors car (TR246E)	32	Pcs		
90	Axle-beam rubber for Trailing bogie 6 doors car (TR246E)	32	Pcs		
91	Insulating coverfor Trailing bogie 6 doors car (TR246E)	32	Pcs		
92	Pin 1 for Trailing bogie 6 doors car (TR246E)	48	Pcs		
93	Pin 2 for Trailing bogie 6 doors car (TR246E)	48	Pcs		
94	Pin 3 for Trailing bogie 6 doors car (TR246E)	16	Pcs		
95	Tachometer generator driving pin JC32 for Wheel Set Trailer Car	120	Pcs		
96	Tachometer generator pin JT27 for Wheel Set Trailer Car	10	Pcs		
97	Bolt M16 TC No 1 for Wheel Set Trailer Car	104	Pcs		
98	Special bolt for disk M20 for Wheel Set Trailer Car	156	Pcs		
99	Wheel Set for Trailer Car (6 doors car, TR241B) Maintenance KIT	4	Pcs		
100	Wheel Set for Trailer Car (6 doors car, TR246E) Maintenance KIT	12	Kit		
101	Axle Bearing (JC32) Maintenance KIT 4 ITEM	172	Kit		

102	Back cover JC32	504	Kit		
103	Roller bearing JC32	504	Pcs		
104	JC32 Front cap fixing bolt M16	1032	Pcs		
105	JC32 Front rubber cap	408	Pcs		
106	JC32 Front rubber cap (for tachometer generator) for Wheel Set Common Parts	504	Pcs		
107	Detent washer for Axle Bearing (JT27) Maintenance	64	Pcs		
108	JT27 Front cap fixing bolt M10 Axle Bearing (JT27) Maintenance	256	Pcs		
109	Thermo Label Axle Bearing (JT27) Maintenance	1500	Pcs		
110	Oil seal for JT27	160	Pcs		
111	Taper roller bearing JT27	40	Pcs		
112	JT27 Front rubber cap for Wheel Set Common Parts	80	Pcs		
113	JT27 Front rubber cap (for tachometer generator) for Wheel Set Common Parts	80	Pcs		
114	Brake Cylinder Maintenance KIT, SJ Cylinder TC dan T	12	Pcs		
115	Rubber plate for drain pipe for Air conditioner AU717 6 doors car	12	Kit		
116	Rubber plate for drain pipe for Air conditioner AU722 6 doors car	42	Pcs		

117	Bearing 6305LLB AC Air conditioner AU75G for 4 doors car	179	Pcs		
118	Plate for drain pipe rubber for Air conditioner AU75G for 4 doors car	882	Pcs		
119	Rubber plate for drain pipe for Air conditioner AU75G for 4 doors car	294	Pcs		
120	Terminal box assy for Air conditioner AU75G for 4 doors car	69	Pcs		
121	Terminal block for Air conditioner AU75G for 4 doors car	61	Pcs		
122	Insulating stand for Air conditioner AU75G for 4 doors car	965	Pcs		
123	Filter Dryer for Air conditioner AU75G for 4 doors car	106	Pcs		
124	Door engine TK4 Maintenance KIT	288	Pcs		
125	Frame assembly for Pantograph PS33E	9	Kit		
126	JR TURBINE OIL 56 for Air Compressor (18L Pail)	24	Pcs		
127	APOLLOIL GEAR HE-90S GL-5 for Gear Box (20L Pail)	36	Pcs		
128	Arapen RB 320 for Axle shaft bearings (16kg Pail)	82	Pcs		
129	Unimax R2 for Traction Motor bearing (18kg Pail)	48	Pcs		
130	Multinoc Grease No.2 for Motor Generator bearing (16kg Pail)	24	Pcs		
131	Multemp SRL for Air Conditioner Fan bearing (2.5kg Pail)	82	Pcs		

132	COSMO CUP GREASE NO.1 for Tight-lock Coupler (16kg Pail)	82	Pcs		
133	Silicon oil (140 cc plus something per LV) (16kg Pail)	82	Pcs		
134	Traction Motor Maintenance KIT Packing for TM No.1	304	Pcs		
135	Traction Motor Maintenance KIT Packing for TM No.2	384	Pcs		
136	Traction Motor Maintenance KIT Packing for TM No.3	384	Pcs		
SUB TOTAL A					

TERMIN 1						TERMIN 2					
	Name & Type Of Goods	Quantity	Unit	Unit Price	Total Price		Name & Type Of Goods	Quantity	Unit	Unit Price	Total Price
No	PARTS FOR HEAVY MAINTENANCE JR 203					No	PARTS FOR HEAVY MAINTENANCE JR 203				
1	B7 Pressure regulating valve Maintenance KIT	10	Kit			1	Differential pressure valve DP5 Maintenance KIT	20	Kit		
2	Air compressor C2000 Maintenance KIT 26 item	2	Kit			2	Leveling valve LV4 Maintenance KIT 17 ITEM	40	Kit		
3	Dehumidifier D20A Maintenance KIT	2	Kit			3	Motor Generator Maintenance KIT	2	Kit		
4	O-Ring P50A for air spring bogie (φ50) Bogie Common Parts Maintenance	60	Pcs			SUB TOTAL B					
5	O-Ring P60 for air spring bogie (φ60) Bogie Common Parts Maintenance	60	Pcs								

6	O-Ring G50 for air spring bogie (φ50) Bogie Common Parts Maintenance	60	Pcs		
7	Brake Cylinder Maintenance KIT, SJ Cylinder TC dan T	12	Kit		
8	Door engine TK4 Maintenance KIT	80	Kit		
SUB TOTAL B					

TERMIN I		TERMIN II	
SUB TOTAL PARTS FOR HEAVY MAINTENANCE JR 205		SUB TOTAL PARTS FOR HEAVY MAINTENANCE JR 205	
SUB TOTAL PARTS FOR HEAVY MAINTENANCE JR 203		SUB TOTAL PARTS FOR HEAVY MAINTENANCE JR 203	
GRAND TOTAL		GRAND TOTAL	
PPN 10%		PPN 10%	
GRAND TOTAL + PPN 10%		GRAND TOTAL + PPN 10%	