

Schedule -10

LIST OF SPARE PARTS/ Tools to be supplied under this contract.

Consolidated List for fourteen (14) units. RTGCs.

Supply of Spare parts shall be separate from scope of this tender

I. SPARES: s

ELECTRICAL SYSTEM:

Details	Spares	Qty
	Electronics	
1	IO modules	1 nos. each type
2	Data communication modules	1 nos. each type
3	Power semiconductor modules with heat sink	3 nos.
	Cables	
1	Spreader cable	2 nos.
	Switches & contactors	
1	Limit switches, magnetic switches, proximity switches & encoders	2 nos. of each type
	Other electrical items	
1	Fuses all types (Control, power & Drives)	4 sets
2	Long travel siren with flashing light	2 sets
3	Master controller	1 no. each type.
4	SMPS	1 no. each type.
	Spreader & head block	
1	Complete spreader with cable & quick connectors.	1 no.
2	Spreader twist lock pins & nuts	4 nos
3	Twist lock cylinders	2 nos
4	Twist lock guide	2 nos.
5	Landed pins	2 nos
6	Flipper gear box	2 nos
7	Flipper motors	2 nos.
8	Flipper arm	2 nos
9	Limit switches-Proximities	10 nos.
10	CAN Open slave node	2nos.
11	Spreader SCS3 node, can booster, ASI conversion, any bus gateway, CAN open modules	1set
12	Hoses	2 sets
	Brake thruster assembly	
1	i)Main Hoist	1nos.
2	ii)Trolley	1no.
3	iii)Gantry with control unit	1 nos.
4	iv)Boom	1no.
5	v)Boom latch thruster	2 nos.
	Brake Linings	
1	i)Main Hoist brake linings	2sets
2	ii)Main Trolley brake linings	1sets
3	iii)Main Gantry brake linings	2sets

4	iv) Main Boom brake linings	1set
5	vi) Lift brake liner	2 sets
	Other (Mechanicals)	
1	Wire ropes for main hoist	1sets
2	Wire ropes for trolley	1sets
	Hydraulic system	
1	C) Hoses	1 sets
2	D) Filters	1 sets

II- TOOLS

- a) Electrical power screw driver set 230 V AC : 1 nos
- b) Electrical powered grease gun with : 01
25 m hose & 20 kg reservoir
- c) Portable grease gun : 01
- d) Set of spanners for maintenance of equipment : 1 set

Signature & seal of the Tenderer