

**420kV GIS- TOOLS AND TACKLES**

ITEM	PART NO	DESIGNATION	QTY	UNIT	REMARKS
<b>A )</b>	<b>SPECIFIC TOOLS FOR OPERATING THE GIS</b>				
1	F971937001	Hand crank 200 mm length	1	No.	
2	F971937002	Hand crank 470 mm length	1	No.	
3	F971937003	Hand crank 990 mm length	1	No.	
4	F443429001	Hand crank for mechanism of DS, ES or EF	1	No.	
5	GD00Z520002-01	Digital manometer	1	No.	
6	F441089001	Temperature metering set	1	No.	
7	F341145001	Relief valve manometer with coupling elements	1	No.	
8	F443076002	Filling handle	1	No.	
9	F443076001	Gas service cart	1	No.	
10	H4811927001	Spring charging hand crank for CB mechanism	1	No.	
<b>B )</b>	<b>SF6 GAS TREATMENT TOOLS FOR GIS ERECTION &amp; MAINTENANCE</b>				
1	F425161036	Gas re-filling and evacuating DILO plant MEGA series	1	No.	
2	F341143005	Gas distribution system	1	No.	
3	F443201001	DILO pipe extension	1	No.	
4	F971201002	10 m length DILO pipes	1	No.	
5	F440412005	120 cu.m vacuum pump with maintenance kit	1	No.	
<b>C )</b>	<b>MEASURING &amp; ANALYSING TOOLS FOR GIS ERECTION &amp; MAINTENANCE</b>				
1	F967551002	SF6 gas leakage detector	1	No.	
2	GD00Z520002-01	Multimeter Digital (Fluke Make)	1	No.	
3	GD00Z520006-01	Dew point measuring device 3-037 R001,DILO	1	No.	
4	GD00Z520007-01	Contact resistance metering CRM 200B	1	No.	
5	F440291001	CB time measuring device -Hisac ultima	1	No.	
6	F440805001	Oscilloscope- Industrial scope meter	1	No.	
7	F440244001	SF6 gas volume percentage measuring device	1	No.	
8	F440366001	Insulation tester device	1	No.	
9	F443175001	Ammeter	1	No.	
10	F53z750048	Endoscope	1	No.	
<b>D )</b>	<b>SPECIFICA TOOLS FOR GIS ERECTION AND MAINTENANCE</b>				
1	F443873001	20-100 daN torque spanner with tips	1	No.	
2	F441076001	7-35 daN torque spanner	1	No.	
3	F441355001	2-10 daN torque spanner	1	No.	
4	F443191002	0.5-2.5 daN torque spanner	1	No.	
5	F140663001	Tool for circuit breaker adjustment	1	No.	
6	F240515001	Set of 3 nos tool for use of gaseous interconnexion device	1	No.	
7	F441960002	Set of 4 nos centering pins	1	No.	
8	F923946001	Setup lever for conductors	1	No.	
9	F940056001	Set of 4 nos centering pins for flanges	1	No.	
10	F943007001	Set of 4 nos centering pins for insulators	1	No.	
11	F965494001	Conductor supporting device	1	No.	
12	F966195002	Set of 4 fasteners for flange seal retaining	1	No.	
13	F967132002	Set of 4 fasteners for insulator seal retaining	1	No.	
14	F965535001	Device for SF6/air bushings swinging	1	No.	
15	F971592001	Set of 2 nos trolleys for 190 mm dia. conductor	1	No.	
16	F972820001	Set of 2 nos trolleys for 130 mm dia. conductor	1	No.	
17	F440740001	20 m length of nylon string	1	No.	
18	F443235007	Bench with accesories	1	No.	
19	F440441001	Set of 3 nos earthing device	1	No.	
20	F443840001	Set of 3 nos Portable Maintenance Earthing Device (PMED) for earthing switch	1	No.	
21	F443849001	Set of 3 nos Portable Maintenance Earthing Device (PMED) for conductor	1	No.	