



420kV GIS SPARE PARTS

Item	Customer Description	Qty.	Unit	BHEL Description	Reference no	Qty.	Unit	Remarks
A	SPARE PARTS							
1	SF6 Gas for use during operation & maintenance in non-returnable cylinders.	10% of total quantity in 40kg Cylinders	-	SF6 Gas in 40kg cylinders	-	3	Nos.	Total gas requirement calculation attached.
2	One pole of complete Interrupter unit of circuit breaker with operating mechanism and tie rod etc for 1 Phase	1	Lot	Breaker pole unit module with mechanism	-	1	No.	
3	Complete drive mechanism including motor for disconnect switches and earthing switches	1	No	Drive mechanism for ES	-	1	No.	
				Drive mechanism for DS	-	1	No.	
4	Complete drive mechanism including motor for fast acting earthing Switches	1	No	Drive mechanism for FES	-	1	No.	
5	Trip Coils for Circuit breakers	2	Nos.	Trip Coil	-	2	Nos.	
6	Closing Coils for Circuit breakers	2	Nos.	Closing coil	-	2	Nos.	
7	Complete set of rupture disc	2	Nos.	Rupture Disc	-	2	Nos.	
8.a	Pressure Switch/Gas pressure transmitter of each type used	2	Nos.	Gas density monitoring sensor 1	-	2	Nos.	Two types of sensor is being used
8.b				Gas density monitoring sensor 2	-	2	Nos.	
9	Pressure gauge of each type used	2	Nos.	---	-	-	-	Covered in A8. It is

4 Approved subject to correction

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Item	Customer Description	Qty.	Unit	BHEL Description	Reference no	Qty.	Unit	Remarks
								hybrid (sensor cum gauge)
10	Gas density relay	2	Nos.	Gas density relay	-	-	-	Covered in A8. It is hybrid (sensor cum gauge)
11.a	Gas tight bushing of each type used	2	No	Cone Insulator (Permeable)	-	2	Nos.	Two types of Gas tight bushing is being used
11.b				Cone Insulator (Non-Permeable)	-	2	Nos.	
12	Tripping relay of each type used	2	Nos.	Tripping relay	-	2	Nos.	
13	Trip Circuit Supervision of each type used	1	Nos.	Trip Circuit Supervision Relay	-	1	No.	
14	Auxiliary relays of type used	1	Nos.	Auxiliary relay	-	1	No.	
15	Auxiliary relays socket of type used	5	Nos.	-	-	-	-	Not being used in our scheme

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