

BREAK-UP OF MANDATORY SPARES FOR SUB STATION EQUIPMENT (AIS)

Sl. No	Description	Unit	Quantity for	
			Samba	Kishenpur
1.0	CIRCUIT BREAKERS			
(II)	420KV SF6 CIRCUIT BREAKER			
a (i)	Complete Pole (Phase) of circuit breaker without closing resistor, with grading capacitor (if applicable), with pole column, interrupter, operating mechanism, Marshaling Box, corona rings and terminal connector but without support structure (420kV, 3150A, 63kA for 1 sec)	Pole (no.)	1	1
b	Grading Capacitor (if applicable) to be include	No.	1	1
c	Rubber gaskets, `O' rings and seals	Set	1	1
d	Trip coils with resistor	Set	2	2
e	Closing coils with resistor	Set	1	1
f	Terminal Pads and connectors (one no. each type)	Set	2	2
g	Molecular filter	No.	2	2
h	Corona rings	No.	1	1
i	Relays, Power contactors, switch fuse units, limit switches, push buttons, timers & MCB etc.	Set	1	1
j	Pressure switches of each type	Set	1	1
k	Auxiliary switch assembly	Set	1	1
3.0	ISOLATORS			
(II)	420KV ISOLATORS			
a	One complete pole including support Insulator, earth switch, motor operating mechanism (MOM) and terminal connector but excluding structure (420kV, 3150A, 63kA with One E/S)	Pole (no.)	1	1
b	Copper contact fingers for male & female contacts	Set	2	2
c	Open / Close contactor assembly, timers, key interlock push button switch & auxiliary switches	Set	1	1
d	Limit Switch	Set	2	2
e	Terminal Pads and connectors (one no. each type)	Nos.	3	3
f	Corona shield rings	Nos.	3	3
4.0	CURRENT TRANSFORMER			
(II)	420KV CT			
a	420kV, 3000A, 63kA Current Transformer with 120% extended current rating	No.	1	1

Technical Specification, Section – Project (Rev.0)- Mandatory Spare Break Up

Pkg: Substation portion under Reconductoring Package-OH01 for 400kV Bays' upgradation at Samba (POWERGRID) & Kishenpur (POWERGRID) Substations under "Transmission Scheme for evacuation of power from Ratle HEP (800MW) & Kiru HEP (624MW)": Part B