

BOQ for Break-up of Mandatory Spares (specified as LOT/LS item)

Sl. No.	Item Description	Unit	Pugalur SS
A	245kV Isolator		
1	One Complete Pole including support insulator, earth switch, Motor operating mechanism (MOM) and terminal connector but excluding support structure (245kV, 1600A, 50kA with two E/S)	Pole	1
2	Copper contact fingers for male & female contact	Pole	2
3	Open/Close contactor assembly, timers, key interlock push button switch & Auxiliary switches	No	1
4	Limit Switch	Set	2
5	Terminal Pads and connectors	Nos.	3
6	Corona Shield rings (if applicable)	Nos.	3
B	245kV Current Transformer		
1	245kV, 1600A, 50kA Current Transformer with 120% extended current rating	Nos.	1
C	245kV Capacitive Voltage Transformer		
1	245kV, 4400pF CVT	No.	1
D	216kV Surge Arrester		
1	Complete LA with insulating base, surge counter/monitor and terminal connectors	No.	1
2	Surge Counter/Monitor	No.	1
E	Relay & Protection Panels		
1	Relays of One type Each (M1, M2, LBB etc.)	Set	1
F	Sub-Station Automation system		
1	Bay Control Unit (IED) of each type	Set	1
2	Ethernet Switch of each type	Set	1
3	Patch Chords of each type	Set	1
G	PLCC, DPC and EPAX (POWERGRID S/S)		
1	Set of prints for carrier terminal	Set	1
2	Set of prints for Analogue protection coupler (of each type)	Set	1
3	Set of prints for EPAX	Set	1
4	Set of print for Digital Protection coupler	Set	1
H	220kV Circuit Breaker		-
1	Complete Pole (Phase) of circuit Breaker including closing resistor (if applicable), grading capacitor (if applicable), Pole column, interrupter, operating mechanism, marshaling box, corona ring (if applicable) and terminal connector but without support structure (245kV, 3150A, 50kA)	Pole	1
2	Grading Capacitor (if applicable)	No.	2
3	Rubber Gasket " O Ring" and seals	Set	1
4	Trip coils with resistor (as applicable)	Set	2
5	Closing coils with resistor (as applicable)	Set	2
6	Terminal Pads (One No of each type)	Set	2
7	Molecular filter	No.	2
8	Corona Rings (if applicable)	No.	1
9	Relay, Power contactors, switch fuse units, limit switches fuse units, limit switches, push buttons, timers & MCB etc	Set	1
10	Pressure Switch of each type	Set	1
11	Auxiliary Switch assembly	Set	1

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12	Operation Counter	No.	1
13	Complete Drive Mechanism	Set	1
14	SF6 Gas (Equivalent to 2 Poles)		1