

Mandatory Spares for Substation Package for 400/220 kV Aurangabad (New) Substation , Extn. of 400 kV Aurangabad (MSETCL) Substation and Extn. of 400kV Wardha (PG) Substation associated with Mundra Regional System for WR

MANDATORY SPARES FOR EXTN. OF 400kV AURANGABAD (MSETCL) SITE

Sl. No.	Item Description	Unit	Qty.
1.0	Current Transformer (1 Ph.)		
a)	420kV Current Transformer (3000 A 40kA with 120%)	No.	1
2(i)	Isolator (Three phase) Horizontal Break		
a)	420kV Isolator	LS (As per Annexure-2)	1
2(ii)	Isolator (Three phase) Pantograph		
a)	420kV Isolator	LS (As per Annexure-2)	1
3.0	Erection Hardware	LS (As per Annexure-2)	1
	NOTE: LS is quantified in Annexure-2 .		

ANNEXURE – II

**BILL OF QUANTITY FOR MANDATORY SPARES FOR EXTENSION OF
400kV AURANGABAD(MSETCL) S/S**

S.NO.	DESCRIPTION	UNIT	QTY
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B. 420 kV Horizontal Break Isolator

1.	One complete pole with support insulators, Support structure stool (2 nos.) & for Isolator & Earth switch	Set	1
2.	Copper contact fingers for female & male contacts	Set	1
3.	Terminal pad with connectors	Set	1
4.	Relays, power contactors, MCBs, switch fuses, push buttons and resistors for electrical control circuit as per approved schematic	Set	1
5.	Timers, Key interlock, Push button switch, Limit switch, Aux. Switches, corona shield, Motor having bearing assembly, etc.	Set	1
6.	Corona shield rings	Nos.	3

C 420 kV Pantograph Isolator

1.	Fixed contact, Scissors contact	Nos.	3
2.	Gear Assembly	Set	1
3.	Terminal pad with connectors	Set	1
4.	Damper Assembly, Scissors Assembly Drives Motor, Limit Switches, Bearings	Set	1
5.	Interlocking Coil, Timers, key interlocks etc.	Set	1

6. Corona shield rings Set 1

D. Erection Hardware Item

5% spares of the actual Quantities for insulator, hardwares, clamps & connectors, spacers, corona bell etc.