

Project : 220/132 kV SWITCHYARD AT TALCHER

Customer : NATIONAL THERMAL POWER CORPORATION

HANDLING OF MANDATORY SPARES

S.No.	Description	Unit	Qty.	Amount
1	220kV CIRCUIT BREAKERS.			
	Relay, power contactors, switch fuses for control circuit (one no. of each type and rating)	Set	1	
	Set of gasket, rings and seals	Set	1	
	Molecular filter for Circuit Breaker	No.	1	
	Insulating Nozzle	Nos.	3	
	Support Insulator stack	No.	1	
	Tripping and closing coil (each type)	Nos.	6	
	Density monitoring system for circuit Breaker	No.	1	
	Spring charging motors (if applicable)	Nos.	2	
	Set of valves for pneumatically operated breaker	No.	1	
	Pressure switch for pneumatically operated Breaker	No.	1	
	Fixed and moving arcing contact	No.	1	
	Terminal connectors of each type	set	1	
	One complete pole (one no. of each type)	No.	1	
2	132kV CIRCUIT BREAKERS.			
	Relay, power contactors, switch fuses for control circuit (one no. of each type and rating)	Set	1	
	Set of gasket, rings and seals	Set	1	
	Molecular filter for Circuit Breaker	No.	1	
	Insulating Nozzle	Nos.	3	
	Support Insulator stack	No.	1	
	Tripping and closing coil (each type)	Nos.	3	
	Density monitoring system for circuit Breaker	No.	1	
	Spring charging motors (if applicable)	No.	1	
	Fixed and moving arcing contact	No.	1	
	Terminal connectors of each type	set	1	
	One complete pole (one no. of each type)	No.	1	
2.	220kV ISOLATORS			
	One complete pole of DB isolator with 2 ES alongwith operating mechanism box etc.	No.	1	
	Copper contact finger for female contacts	Nos.	2	
	Relay, power contactors, switch fuses for control circuit (one no. of each type and rating)	set	1	
	Support insulator stack for one pole of isolator	set	1	
	Rotary bearing for isolators	Nos.	3	
	Hinge pin	Nos.	3	
	Limit switch and auxiliary switch	Nos.	3	
	Terminal connectors (2 Nos of each type)	set	1	
2.	132kV ISOLATORS			
	One complete pole of DB isolator with 2 ES alongwith operating mechanism box etc.	No.	1	
	Copper contact finger for female contacts	Nos.	3	
	Relay, power contactors, switch fuses for control circuit (one no. of each type and rating)	set	1	

Project : 220/132 kV SWITCHYARD AT TALCHER

Customer : NATIONAL THERMAL POWER CORPORATION

HANDLING OF MANDATORY SPARES

S.No.	Description	Unit	Qty.	Amount
	Support insulator stack for one pole of isolator	set	1	
	Rotary bearing for isolators	Nos.	3	
	Hinge pin	Nos.	6	
	Limit switch and auxiliary switch	Nos.	5	
	Terminal connectors (2 Nos of each type)	set	1	
4.	CURRENT TRANSFORMER			
4.1	220 KV Current Transformer	No	1	
4.2	132 KV Current Transformer	No	1	
5	Capacitor voltage transformers	Nos		
5.1	220 KV Capacitor voltage transformers	No.	1	
5.2	132 KV Capacitor voltage transformers	Nos.	2	
6	Manatory spares for C&R panels	Set	1	
7	mandatory spares for Reciprocating compressor/AHU/control			