

PROTECTION FUNCTION	ANSI CODE	OUT PUT	MAIN BREAKER			TIE BREAKER			CLOSE MAIN CB	CLOSE TIE CB	3PH MASTER TRIP RELAY GROUP-A , MAIN BAY	3PH MASTER TRIP RELAY GROUP-B , MAIN BAY	3PH MASTER TRIP RELAY GROUP-A , TIE BAY	3PH MASTER TRIP RELAY GROUP-B , TIE BAY	BUSBAR PROTECTION(M1/M2)	DR TRIGGER	REMARK
			TO CB TRIP COIL-1	TO CB TRIP COIL-2	LEB PROTIN INITIATION	TO CB TRIP COIL-1	TO CB TRIP COIL-2	LEB PROTIN INITIATION									
REACTOR DIFFERENTIAL PROTECTION(PDIF, 87R) \$\$	87R	3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP	\$ \$ IF 1-PH REACTOR BANK USED THEN CT SELECTION SHOULD BE AS PER SELECTION LOGIC OF R, Y, B AND SPARE REACTOR IN SERVICE	
REACTOR BACK UP IMPEDANCE(PDIS, 21R) \$\$. **	21R	3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP		
REACTOR RESTRICTED EARTH FAULT(PDIF, 64R) \$\$	64R	3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP		
REACTOR WTI TRIP ##		3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP	## IF 1-PH REACTOR BANK USED THEN TRIPPING SHOULD BE AS PER SELECTION LOGIC OF R, Y, B AND SPARE REACTOR IN SERVICE. OTI & WTI TRIP EXTENTION SHOULD AS PER LOGIC PROVIDED IN SHEET 02.	
REACTOR PRV TRIP ##		3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP		
REACTOR OTI TRIP ##		3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP		
REACTOR BUCHHOLZ TRIP ##		3Ph	-	-	-	-	-	-	-	TP	TP	TP	TP	-	IP		
MAIN BAY BREAKER FAIL PROTECTION Retrip (RBRF, 50BF)	50BF	3Ph	TP	TP	-	-	-	-	-	-	-	-	-	-	IP		
MAIN BAY BREAKER FAIL PROTECTION Backtrip (RBRF, 50BF)	50BF	3Ph	-	-	-	-	-	RS	-	-	-	TP	TP	IP	IP		
TIE BAY BREAKER FAIL PROTECTION Retrip (RBRF, 50BF)	50BF	3Ph	-	-	-	TP	TP	-	-	-	-	-	-	-	IP		
TIE BAY BREAKER FAIL PROTECTION Backtrip (RBRF, 50BF)	50BF	3Ph	-	-	-	-	-	-	RS	TP	TP	-	-	IP	IP	⊗⊗ IF TIE BAY IS HALF DIA, TIE BACKTRIP TO BE EXTENDED TO BUBSAR WITH FUTURE BAY (WITHOUT CB)	
BUSBAR PROTECTION (PDFI, 87BB) MAIN-1	87BB	3Ph	TP	TP	IP	-	-	-	RS	-	-	-	-	-	IP	NOTE: FOR CENTRALIZED BUSBAR, TRIP MUST BE EXTENDED TO MASTER TRIP RELAY 96 A & B	
BUSBAR PROTECTION (PDFI, 87BB) MAIN-2	87BB	3Ph	TP	TP	IP	-	-	-	RS	-	-	-	-	-	IP	NOTE: FOR CENTRALIZED BUSBAR, TRIP MUST BE EXTENDED TO MASTER TRIP RELAY 96 A & B	
3PH MASTER TRIP RELAY GROUP-A , MAIN BAY	86	3Ph	TP	TP	IP	-	-	-	RS	-	-	-	-	-	IP		
3PH MASTER TRIP RELAY GROUP-B , MAIN BAY	86	3Ph	TP	TP	IP	-	-	-	RS	-	-	-	-	-	IP		
96 MASTER TRIP RELAY GROUP-A (MAIN BAY)	96	3Ph	TP	TP	IP	-	-	-	RS	-	-	-	-	-	IP		
96 MASTER TRIP RELAY GROUP-B (MAIN BAY)	96	3Ph	TP	TP	IP	-	-	-	RS	-	-	-	-	-	IP		
3PH MASTER TRIP RELAY GROUP-A , TIE BAY	86	3Ph	-	-	-	TP	TP	IP	-	RS	-	-	-	-	IP		
3PH MASTER TRIP RELAY GROUP-B , TIE BAY	86	3Ph	-	-	-	TP	TP	IP	-	RS	-	-	-	-	IP		
MANNUAL TRIP MAIN CB		3Ph	TP	TP	-	-	-	-	-	-	-	-	-	-			
MANNUAL TRIP TIE CB		3Ph	-	-	-	TP	TP	-	-	-	-	-	-	-			

RS: - INDICATES RESET STATUS FOR CB CLOSING

TP: - INDICATES TRIP FROM PROTIN. FUNCTION

IP: - INDICATES INITIATION FROM PROTIN FUNCTION



PROTECTION TRIP LOGIC DIAGRAM FOR BUS REACTOR

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