

		MANUFACTURING QUALITY PLAN							MQP. NO.: SMQP/FPS/05/092013				
		PROJECT ENGINEERING & SYSTEMS DIVISION BHEL, RC PURAM, HYD-502032			PRODUCT: LOCAL CONTROL PANEL			REV NO: 00		DATE: 01/09/2013			
		PAGE 1 OF 3											
SL NO	COMPONENTS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	*	AGENCY			REMARKS
									D	P	W	V	
1.0	RAW MATERIALS & BOUGHT OUT ITEMS												
	STEEL SHEET	PHYSICAL & CHEMICAL PROPERTIES	MAJOR	PHYSICAL & CHEMICAL PROPERTIES	SAMPLE	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE/LOG BOOK	✓	2		1	
	WIRE, TERMINAL, MCCB, MCB, CONTACTOR, INDICATION LAMP, PUSH BUTTON, e.t.c	TYPE, MAKE, SIZE, RATING, FUNCTIONAL	MAJOR	PHYSICAL	SAMPLE/BATCH	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE/LOG BOOK	✓	2		1	
2.0	INPROCESS INSPECTION												
	FABRICATION	DIMENSION, WELDING, LIFTING FACILITY	MAJOR	VISUAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE/LOG BOOK	✓	2		1	
	PRETREATMENT	DEGREASING, DERUSTING, PHOSPHATISING	MAJOR	VISUAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE/LOG BOOK	✓	2		1	
	ASSEMBLY	WIRING, FERRULING, LEVELLING, EARTHING	MAJOR	VISUAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE/LOG BOOK	✓	2		1	
	GENERAL ARRANGEMENT	COMPONENT MOUNTING	MAJOR	VISUAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE/LOG BOOK	✓	2		1	
3.0	FINAL INSPECTION & TESTING												
LEGEND: P: PERFORM, W: WITNESS, V: TEST CERTIFICATE REVIEW. INDICATE 1 FOR BHEL / BHEL NOMINATED INSPECTION AGENCY/END USER/END USER'S REPRESENTATIVE & 2 FOR VENDOR/SUB VENDOR AS APPROPRIATE AGAINST EACH COMPONENT /CHARACTERISTIC UNDER P, W & V COLUMNS. * FOR ITEMS MARKED ✓ (TICK) IN COLUMN 'D', TEST CERTIFICATES SHALL BE SUBMITTED TO BHEL FOR RECORDS.					PREPARED BY BHEL QA SIGNATURE & STAMP		APPROVED BY  QA SIGNATURE & STAMP		APPROVED BY CUSTOMER'S SIGNATURE & STAMP (IF APPLICABLE)				

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										P	W	V	
		DIMENSION	CRITICAL	MEASUREMENT	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	✓	2	1		
		HV-IR TEST	CRITICAL	ELECTRICAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	✓	2	1		
		CALIBRATION TEST	CRITICAL	MEASUREMENT	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	✓	2		1	
		PERFORMANCE TEST	CRITICAL	ELECTRICAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	✓	2	1		
		LEAK TEST(FOR PNEUMATIC PANEL)	CRITICAL	MEASUREMENT	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	✓	2		1	
		CERTIFICATE OF STATUTORY APPROVAL AUTHORITY LIKE CCOE/PESO FOR USE IN ELECTRICALLY HAZARDOUS AREA	CRITICAL	ELECTRICAL	ONE	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	✓	2		1	

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										P	W	V	
		IP-TEST	CRITICAL	ELECTRICAL	ONE	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	√	2		1	
		BOM CHECK	CRITICAL	VISUAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	√	2	1		
		PAINT SHADE & THICKNESS	CRITICAL	VISUAL	100%	BHEL SPECIFICATION/DATA SHEET	BHEL SPECIFICATION/DATA SHEET	TEST CERTIFICATE	√	2		1	
4.0	PRESERVATION & PACKING												
	PACKING	FINISH	MAJOR	VISUAL	100%	BHEL specification/Data Sheet	BHEL specification/Data Sheet	TEST CERTIFICATE/LOG BOOK		2	1		

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