

## ANNEXURE -1 - PI 120924015-REV 00

ITEM NO	QTY	DESCRIPTION
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1	NIL	Automatic Voltage Regulating relay, without LDC as per following specifications:-
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Auxiliary Supply	:	110VAC $\pm$ 15%, 50Hz, 10VA
PT Supply	:	110VAC , 50 Hz.
Nominal Value Setting	:	Adjustable between $\pm$ 10% of 110V of PT & readable on digital display.
Lower Voltage Setting	:	Adjustable between 95V to 125 readable on Display
Raise voltage setting	:	Adjustable above 90 V to 120V & readable on Display.
Time Delay setting	:	Fixed (Voltage Independent) time delay adjustable from 1 to 120 sec.
Time Delay Resetting	:	Instantaneous resetting with voltage deviation occurring in opposite direction.
Under voltage Blocking	:	Internal Blocking at 80V restoration at 85V.
Control Contacts	: a)	One pair of normally open potential free contacts of rating 5A/230V AC resistive load / inductive load for each 'Raise' & 'Lower' control relays.
	b)	One pair of normally open potential free contact of rating 5A/220V DC resistive load for "PT supply fail/under voltage" alarm.
Control Operations	:	Single pulse operation with Approx. 2Sec.on time.
Operation Temperature	:	0 to 45 deg C.
Over All Dimension	:	92mm(H)* 192mm(W)*220mm(D)
Panel cut-out Dimensions	:	90mm(H)*184mm(W)

2.	20 Nos	Automatic Voltage Regulating relay, with LDC as per following specifications:-
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Auxiliary Supply	:	110VAC $\pm$ 15%, 50Hz, 10VA
PT Supply	:	110VAC , 50 Hz.
Nominal Value setting	:	Adjustable between 110V $\pm$ V10% & readable on Display
Lower Voltage Setting	:	Adjustable above 0.5V to 5V & readable on Display
Raise voltage setting	:	Adjustable above 0.5V to 5V & readable on Display
Time Delay setting	:	Fixed (Voltage Independent) time delay adjustable from 10 to 120 sec.
Time Delay Resetting	:	Instantaneous resetting with voltage deviation occurring in opposite direction.
Under voltage Blocking	:	Internal Blocking at 80V restoration at 85V.