## EXPERIMENTSOI FRM OF THE EXPERTMENT: Determination of String etticiency

## APPARATUL REQUIRED:

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SL No.	APPARATUS REQUIRED	THE MICHAEL ST	10-
1.	High vollage Transformen	RANGE	QUANTOTY
2.	Voltmeter manstromen	230V/50KV	2
	Voltmeter	(0-100)KV	1
4.		(0 - 230)	1
5.	Milli Ammeter	(0-50) mg	1
	Dix Insulator	nkv	1
6.	Connecting Rods	As required	
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## SPECEFTCATION OF TRANSPORNER:

9 nput voltage: (0-230) v, soHz

Output Voltage: (0-100) KV, TOHZ Secondary Current: 100 mAmp Type of Cooling: Oil cooled

## TABULATION: -

SL NO.	No. of Strings.	Voltage (Pureture) (in KV)
1,		V1 = (15.64-3) KV = 12.64K
2.	2	V2 = (23-3) KV = 20KV
3.	3	V3 = (29-3) KV = 26KV

CALCULATION:String Ethicieny =  $\frac{V_1+V_2+V_3}{3\times V_3} = \frac{12\cdot69+20+26}{3\times26} \times 1001$ ,  $= 75\cdot184$ 

CONCLUSTON:

Thus we Studied the Concept of String ethiciency we implemented the Study by Calculating the String Chriciency of a 3 disc insulator String. Thus, I ethiciency come up to be 35.184.

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