

Q=1(B)

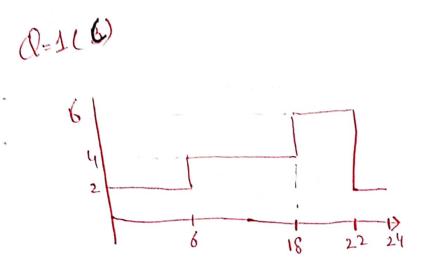
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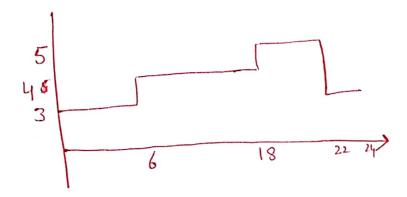
(ii) PQ
(iii) PQ
(iii) PV
(iv) PQ buses

Adl of Po

RMU on half of Poles and RTU on half of Poles of RTU on half of Poles 2 distribution System 2

Scanned with CamScanner





dead (MU)	I= (13,33 × 103)	I ZR (KW).
2	34.99	6.09
3	52.48	13.77
4	69.98	24.48
5	87.47	38.25
6	164.97	55.09

Energy losses without

DSI.

= 8x6.09 + 12 x & + 4 x 55.09

= 562.84 Kwh

Energy loss with DSI

= 8x13.77 + 12x2448 + 4x38.25

= 556.92 Kwh.

7. Reduction =  $\frac{562 - 556.92}{562.89} \times 100$ = 1.1%

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Q=2(A):

Q=2(B).

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As wind type 4 is fully Power electronics Converter type, So it reduced the pressure on gear box. The gear box may be reduced be cause with fully PE

Converted generation Can be close at 3

Lower Speed on compare with goid 3 in wind type 3 turbine the Stater soide converted with grid side.

Stater soide converted with grid side.

Power flow level as integrated with grid spide.

Stater soid the Power flow generation of generation from wind partion of generation 3.

moreover some partion of generation 3.

